NUNAVUT IMPACT REVIEW BOARD
Part 1 Form:

SECTION 1: NIRB APPLICANT INFORMATION

1. a) Project Number
Please indicate if applicant has submitted any previous application(s) to NIRB related to this project proposal?
Yes No *
If yes, please indicate the previous NIRB project number(s):

1. b) Project Name: Soil remediation- Land farm

2. Applicant's full name and mailing address:
Bhabesh Roy, M.A.Sc., P.Eng.
Fax: **867 899 7328**
Phone: **867 899 7314**
Email: **broy@gov.nu.ca**

3. Primary contact's full name and mailing address:
Bhabesh Roy, M.A.Sc., P.Eng.
Fax: 867 899 7328
Phone: 867 899 7314
Email: broy@gov.nu.ca

4. Secondary contact's full name and mailing address:
Grant Scott, SAO, Hamlet of Pond Inlet, Baffin Region.
Fax: 867 899 8940
Phone: 867 899 8934
Email: hamletpond_sao@qiniq.com

SECTION 2: AUTHORIZATION NEEDED

1. Indicate all authorizations associated with the project proposal:
Regional Inuit Association (RIA)
Nunavut Water Board (NWB) *
Nunavut Planning Commission (NPC)
Department of Indian And Northern Development (DIAND)
Department of Fisheries and Oceans (DFO)
Community Government & Services (CG&S)
Nunavut Research Institute (NRI)
Hamlet
Canadian Launch Safety (CLS)
Environment Canada (EC)
Government of Nunavut (GN)
Department of National Defense (DND)
Department of Culture, Language, Elders, and Youths (CLEY)
Parks Canada (PC)
Other (please specify):

2. List the active permits, licenses, or other rights related to the project and their expiry date:

Water License, Expiry date: January 31, 2008

SECTION 3: PROJECT PROPOSAL DESCRIPTION

1. Indicate the type of project proposal:
Exploration (geophysical ground, geophysical air, drilling)
Advanced Exploration/ Bulk Sampling
Mine Development
All Weather Roads and Trails
Winter Roads and Trails
DEW Line Clean up
Off-Shore Infrastructure
Pit and/or Quarry
Other: **Soil Remediation**

2. Indicate the activities related to the project proposal:
Drilling other than geoscientific Quarrying
Offshore structure all season road
Airport/ landing strip winter road
Camp Access road
Fuel storage Road modification
Solid waste disposal Cabins
Hazardous waste storage or disposal *
Sewage or grey water disposal
Research Blasting
Abandonment and Restoration Harvesting
Burning Burying
Construction Channeling
Cut and/or Fill Removal of vegetation
Dam/ Impoundment (construction/ abandonment/ removal/ Modification)
Ditch construction
Drainage Alteration Excavation
Chemical Storage Ecological survey
Explosives Storage Geoscientific sampling by trenching
Geoscientific sampling by diamond drilling Geoscientific sampling by borehole core
Geoscientific sampling by soil sampling Hydrological testing
River/ stream/ lake crossing or work/ bridge Site restoration (fertilization/ grubbing/ scarification/ spraying/ recontouring)
Soil testing Soil disposal/ Soil storage
Tunneling Other (please specify):

3. Personnel
Total No. of personnel
on site = **3**
Total No. of person days
= (3) x 10 days on site= **30 days**

4. Timing
Period of operation: ***September 2007 to September 2007***

Proposed term of permit: Until the life of the existing water license

Please outline the phases of the proposed project (construction/ operation/ decommissioning) including the timing and scheduling of each phase.

This is a small project. The estimated completion date is only 30 days.

5. Region (check all that apply):

Baffin * Kivalliq Kitikmeot Transboundary:

6. Land Status (check all that apply):

Crown Commissioners' * Inuit Owned Surface lands Inuit Owned Sub-Surface Lands

7. Co-ordinates:

The NIRB requires coordinates of the project proposal which accurately reflect the **boundary of the entire project area** as well as specific project component point locations. The preferred method for submitting this information is through the use of a Geographic Information Systems (GIS) digital file.

Project component point locations such as drill sites and research stations can be submitted as a single point in Degrees/Minutes/Seconds:

Latitude (degree/minute/seconds) : 72°42' N Long (degree/minute/seconds): 77°59' W

Project component area locations such as the land use authorization area and camp area require submission of proper bounding coordinates in a suitable electronic format. Although an ESRI ArcView 3.x shape file (in decimal degrees) is the preferred interchange format, the NIRB has the capacity to receive over 100 GIS and CAD related formats, including MapInfo and AutoCAD, provided proper format and projection metadata is also submitted.

Should you not have the ability to create a GIS or CAD file for this submission please contact the NIRB office for alternate arrangements. At a minimum please indicate the NTS Map sheet number(s) and ensure that maps of the project proposal are attached at a regional and local scale.

NTS Map Sheet No(s):

******Attached*

8. Non-Technical Project Proposal Summary

Please include a non-technical description of the project proposal, no more than 500 words, in English and Inuktitut (+Inuinnaqtun, if in the Kitikmeot). The project description should outline the following:

- The project activities, their necessity and duration;
- Method of transportation;
- Any structures that will be erected (permanent/ temporary);
- Alternatives considered; and
- Long-term developments, the projected outcome of the development for the area and its timeline.

*** Attached**

SECTION 4: MATERIAL USE

1. List equipment (including drills, pumps, aircrafts, etc.):

Equipment type and number Size – dimensions Proposed use

*** Dozer and Loader**

2. Detail fuel and hazardous material use:

Fuels Number of Containers Capacity of containers (gal & litre)

- Diesel*
- Gasoline
- Aviation fuel
- Propane
- Other

Hazardous material (please specify)

SECTION 5: WASTE DISPOSAL AND TREATMENT FACILITIES

1. List the types of waste:

Type of waste: Projected amount generated: Method of Disposal: Additional treatment procedures

Sewage

Greywater

Garbage

Overburden (organic soil, waste material, tailings)

Hazardous waste: **Estimated 7000m^3** **Equipment** **Soil Remediation**

Other:

SECTION 6: COMMUNITY INVOLVEMENT & REGIONAL BENEFITS

1. List the community representatives that have been contacted and provide the minutes of the meetings if available:

Community No.	Name	Organization	Date Contacted	Telephone No.	Fax
Pond Inlet Baffin Region	**Enookie Killiktee Lands officer**	**Hamlet**	**June, 2007**	**867 899 8934**	**867 899 8940**

Applicant:

Signature	**Title**	**Date**
Bhabesh Roy, M.A.Sc, P.Eng.	**Municipal Planning Engineer**	**August 20, 2007**

Government of Nunavut
Pond Inlet Contaminated Soil Landfarm

DILLON CONSULTING

PROJECT SUMMARY

The Pond Inlet Landfarm design is based to provide aerobic treatment of soils contaminated with petroleum hydrocarbons of a diesel/heating oil variety. This process relies on biological degradation and volatilization to remove hydrocarbon-based compounds. To implement the landfarming process, the soil is generally spread in a thin layer (0.15 m - 0.30 m deep) over an area, and then tilled on a regular basis to promote aeration and stimulation of microbial activity. If the soil thickness is increased the process will work equally well, however, the duration of remediation will also increase. Similar to ex-situ bio-pile remediation, nutrients, moisture and microbes may be added to accelerate the biological degradation of hydrocarbon impacted soils. In some instances, landfarming must be performed over an impermeable liner to prevent the migration of contaminants (leachate) into the underlying native soil and ground water.

The subject landfarm cell is designed to accept hydrocarbon contaminated soil. No site specific information was used for the design of the landfarm. The landfarm was designed with an area of 6400 square meters and is located within a fenced area.

The cell is approximately 1.8 m in height and 70 m by 70 m in length and width respectively. The surrounding berm is constructed of re-compacted native fill, and covered with an impermeable membrane that is keyed into the top of the berm on all four sides. The impermeable membrane is comprised of a 300 mm Arctic Liner® that is underlain and overlain by a 10 oz/yard Non-Woven Geotextile, and covered by 50 mm of fine granular material.

The slopes of the berm are 2.5:1 on the inside slope and 2:1 on the outside slope. A 1.2 m deep (7 m square) retention basin has been constructed in one corner of the landfarm containment berm, and filled with fine granular material. A 100 mm High Density Polyethylene (HDPE) perforated leachate collection pipe is located at the bottom of the retention basin, connects to a solid pipe on the sloped face and runs to the top of the berm. The leachate collection pipe can be used to control moisture content by removing leachate or water from the retention basin and spraying back onto the contaminated soil.

DILLON
CONSULTING

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ᒥᑦᑎᒪᑕᓕᖕᒥ ᓄᓇᕐᑯᑎᑦᓯᐅᔪᑉ ᐋᖅᑭᒃᓱᖅᑕᐅᓯᒪᓂᖓ ᑐᖓᕕᖃᖅᑎᑕᐅᕗᖅ ᐱᓕᕆᕝᕕᐅᖃᑦᑕᖅᑐᒃᓴᐅᑕᐅᓪᓗᓂ ᓯᓚᒧᑦ ᑲᒪᒋᔭᐅᕙᓪᓕᐊᓗᓂ ᒪᓂᖅᑲᒧᑦ ᓱᕈᖅᑎᖅᑕᐅᓯᒪᔪᒧᑦ ᐅᖅᓱᐊᓗᖕᒧᑦ/ᐃᒐᓯᐅᓕᒧᑦ ᐅᖅᓱᐊᓗᖕᒧᑦ. ᑕᒪᓐᓇ ᐊᑐᖅᑕᐅᕙᒃᑐᖅ ᐊᑐᖅᐸᒃᐳᖅ ᓄᖑᐸᓪᓕᐊᕙᓐᓂᖓᓂᒃ ᖃᖓᒻᒎᖅᐸᓪᓕᐊᓂᖓ ᒪᓕᒃᓗᒍ ᐊᓯᙳᖅᐸᓪᓕᐊᕙᓐᓂᖓᓄᑦ ᐱᑦᖃᐅᓐᓃᕐᑎᑦᑎᔭᓚᐅᓗᓂ ᐅᖅᓱᐊᓗᒃᓴᒥᒃ-ᑐᙵᕕᓕᖓᓂᒃ ᐊᑐᖅᑕᐅᕙᒃᑐᓂᒃ. ᑕᒪᓐᓇ ᐊᑐᓕᖁᓪᓗᒍ, ᓄᓇᓕᓐᓂᐅᕙᒃᑐᖅ, ᑕᒪᓐᓇ ᒪᓂᖅ ᐋᖅᑭᒃᓱᖅᑕᐅᕙᒃᐳᖅ ᓵᕐᓗᓂ ᒪᓂᖅᑲᒧᐊᖅᑎᑦᑕᐅᓪᓗᓂ (0.15 ᒦᑕᓂᑦ - 0.30 ᒦᑕᓄᑦ ᐃᔾᔭᑎᒋᓪᓗᓂ) ᐃᓂᒥ ᒧᒥᒃᑎᖅᑕᐅᕙᒃᓗᓂᓗ ᖃᖓᒍᓕᖓᑦ ᑲᔪᓯᕙᓪᓕᐊᑎᑦᓯᓪᓗᒍ ᓯᓚᒧᑦ ᓴᖅᑮᔭᕐᓂᓴᕙᒃᑕᖓ ᑲᔪᓯᑎᑦᑎᑦᑎᐊᕈᒪᒧᑦ ᖁᐱᕐᕈᓄᑦ ᐱᓕᕆᐊᖑᕙᓪᓕᐊᕙᓐᓂᖓ. ᑕᒪᑐᒪ ᒪᓂᕆᐅᑉ ᐃᔾᔨᓂᖓ ᐃᔾᔨᓂᖅᓴᐅᑎᑕᐅᒃᐸᑦ, ᑕᒪᓐᓇ ᑲᔪᓯᕙᓪᓕᐊᓂᕋᔭᖓ ᑕᐃᒪᓐᓇᑦᑎᐊᖅ ᓯᓕ ᑲᔪᓯᕙᓪᓕᐊᑦᑎᐊᕋᔭᖅᑐᖅ, ᑭᓯᐊᓂ, ᖃᓄᖅ ᐊᑯᓂᐅᑎᒋᓂᖓ ᐊᓯᐅᕙᓪᓕᐊᓂᖓᑕ ᐊᖏᓪᓕᒋᐊᕋᔭᕐᒥᔭᖅ. ᐊᔾᔨᒃᓴᒃᓗᓂᐅᒃ ᓄᑕᐅᖏᑦᑐᓄᑦ ᓄᖑᐸᓪᓕᐊᕙᒃᑐᓄᑦ ᐊᓯᐅᕙᓪᓕᐊᕙᒃᑐᓄᑦ, ᐃᓚᖓ, ᕿᐅᒃᑲᖓᓂᖓ ᖁᐱᕐᕈᕋᓛᓂᓗ ᐃᓚᔭᐅᑐᐃᓐᓇᕆᐊᖃᖅᐳᖅ ᓱᒃᑲᓕᒃᑲᓐᓂᖁᓪᓗᒍ ᐊᓯᐅᕙᓪᓕᐊᓂᕋᔭᖓ ᑕᒪᑐᒪ ᐅᖅᓱᐊᓗᒃᓴᒧᑦ ᐊᑐᖅᑕᐅᓯᒪᔪᑉ ᒪᓂᕋᐅᑉ. ᐃᓚᖏᓐᓂ ᐱᓕᕆᓂᐅᔪᓂ, ᓄᓇᓕᓐᓂᖅ ᐱᓕᕆᐊᖑᔭᕆᐊᖃᕋᔭᖅᐳᖅ ᐃᓱᔭᕐᒥᑦᑐᒥᒃ ᓇᒨᖓᕈᓘᔪᔭᐃᒃᑯᑎᖃᖅᑐᓂ ᓄᖅᑲᖅᑎᑦᑎᔭᒧᑦ ᑕᒪᑐᒃᑯᓂᖓ ᓱᕈᖅᑎᑦᑎᕙᓪᓕᐊᕙᒃᑐᓂᒃ (ᑯᕕᕙᓪᓕᐊᔪᑉ) ᑕᒪᑐᒧᖓ ᐊᑖᓃᑦᑐᒧᑦ ᒪᓂᖅᑲᒧᑦ ᒪᓂᖅᑲᒦᑦᑐᒧᓪᓗ ᐃᒪᕐᒧᑦ.

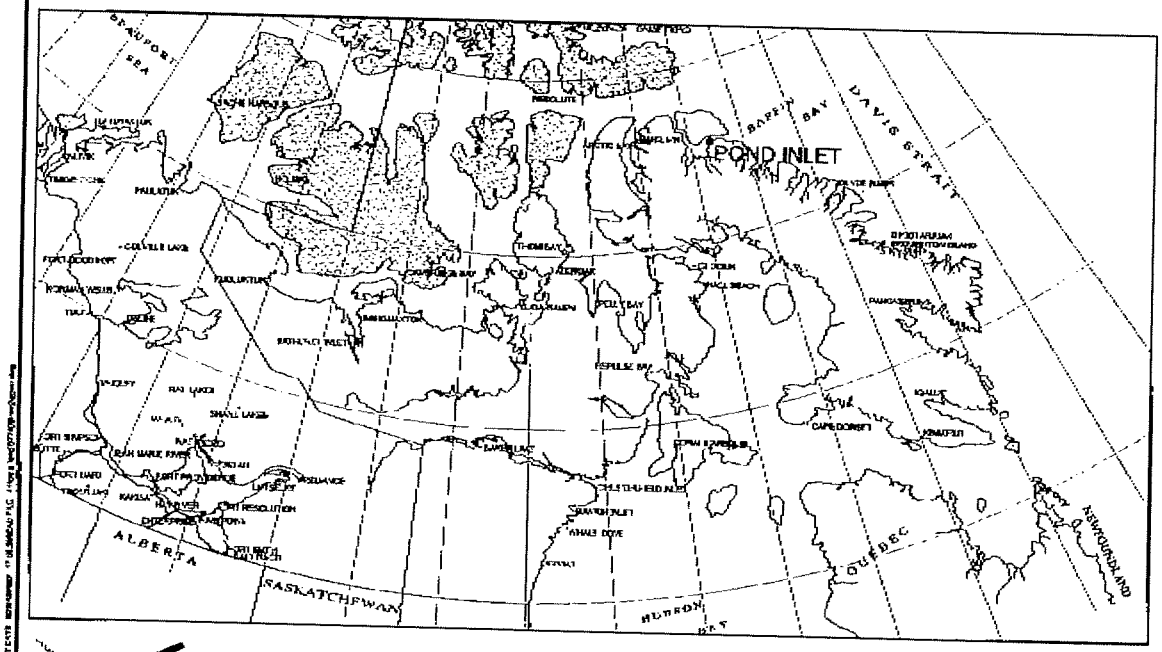
ᑖᓐᓇ ᓄᓇᒥ ᐃᓂᑦᓯᐅᔪᖅ ᐋᖅᑭᒃᓱᖅᑕᐅᓯᒪᕗᖅ ᐱᔾᔪᑎᖃᖅᑎᑕᐅᓪᓗᓂ ᐅᓯᖅᐊᓗᖕᓂᕐᒎᖅᑐᓂᒃ ᓱᕈᖅᑎᖅᑕᐅᓯᒪᔪᒥᒃ ᒪᓂᖅᑲᒥᒃ. ᑐᕌᖓᓪᓗᐊᑦᑕᖅᑐᒧᑦ ᐃᓂᑦᓯᐅᔪᒧᑦ ᑐᓴᖅᑕᐅᔪᒃᓴᓂᒃ ᐊᑐᖅᑐᖅᑲᓚᐅᕐᑎᑦᑐᖅ ᐋᖅᑭᒃᓱᖅᑕᐅᓂᖓᑕ ᑕᐅᑦᑐᒃᓴᖓᓄᑦ ᑖᔅᓯᒪ ᓄᓇᐅᑉ ᐊᑐᖅᑕᐅᔪᑉ. ᑖᓐᓇ ᓄᓇᒥ ᐊᑐᖅᑕᐅᔪᖅ ᐋᖅᑭᒃᓱᖅᑕᐅᓚᐅᖅᐳᖅ ᐊᖏᓂᖅᑲᖅᓗᓂ 6400-ᓂᒃ ᑭᐸᒃᑲᓐᓂᒃᓯᓕᖅᓯᒪᔪᓂᒃ ᒦᑕᓂᒃ ᐃᓂᖃᖅᓗᓂᓗ ᐊᕙᓗᓕᖅᓯᒪᔪᒥᒃ ᐃᓂᒥᒃ.

ᑖᓐᓇ ᐃᓂᑦᓯᐅᔪᖅ 1.8-ᒦᑕᐸᓗᖕᓂᒃ ᐳᖅᑐᓂᓕᒃ ᑕᕿᓂᖃᖅᓗᓂᓗ 70-ᒦᑕᓂᒃ 70-ᒦᑕᓄᑦ ᓯᓕᖕᓂᖃᖅᓗᓂ. ᐊᕙᓗᓯᒪᓂᖓ ᐳᖅᑐᓯᓯᒪᓂᖓ ᓴᓇᓯᒪᕗᖅ ᑎᓯᒃᑎᑎᖅᓯᒪᔪᒥᒃ ᑕᒪᓂᕐᒥᐅᑕᕐᒥᒃ ᑐᐊᐸᖕᒥᒃ ᐃᓕᖅᓱᖅᑕᐅᓯᒪᓪᓗᓂ, ᖃᓕᖅᓯᒪᓪᓗᓂᓗ ᐃᖕᒐᐅᔾᔨᖅᑐᒥᒃ ᐅᔭᕐᑐᒥᒃ ᑖᓐᓇᓗ ᖁᑖᒧᑦ ᐊᑦᔪᑎᖃᖅᓗᓂ ᑕᒪᐃᑎᒧᑦ ᐊᕙᓗᖏᖅᑎᒧᑦ. ᑕᒪᓐᓇ ᐃᖕᒐᐅᔾᔨᖅᑐᖅ ᐅᔭᕐᑐᖅ ᐃᒪᓇᐃᑦᑐᕗᖅ, 300-ᒥᓕᒦᑕᐅᓪᓗᓂ Arctic Liner®-ᖑᓪᓗᓂ ᖃᖓᒍᓪᓗ ᐊᑖᒍᓪᓗ ᐃᓕᓇᓯᒪᓪᓗᓂ 10 oz/ᐆᒃᑐᑦ ᐊᑕᐅᓯᖅ Geotextile-ᒥᒃ, ᖃᓕᖅᓯᒪᓪᓗᓂᓗ 50-ᒥᓕᒦᑕᒥᒃ ᐃᔾᔨᓂᖓᓂᒃ ᓯᐅᕋᕐᒥᒃ ᒥᑭᑐᑎᓪᒪᓇᑯᓗᖕᒥᒃ.

ᓯᕕᖓᓂᖕᒋᑦ ᑖᔅᓯᒪ ᐊᕙᓗᓯᒪᔫᑉ 2.5:1-ᖑᕗᑦ ᐃᓗᐊᓂ ᓯᕕᖓᓂᖓᓂ 2:1-ᖑᓪᓗᑎᓪᓗ ᓯᓚᑖᑦ ᓯᕕᖓᓂᖓ. 1.2-ᒦᑕᓂᒃ ᐃᓗᑐᓂᖕᒥᒃ (7-ᒦᑕᓂᒃ ᑭᐸᒃᑲᓐᓂᒃᓯᓕᖅᓯᒪᔪᒥᒃ) ᓄᖅᑲᖖᖅᑎᑦᑎᔾᔪᑎᒃᓴᒥᒃ ᐃᓗᑦᑐᖅᑎᖅᓯᒪᔪᒥᒃ ᓴᓇᔭᐅᓯᒪᔪᖃᖅᐳᓂ ᐃᓚᖓᓂ ᑎᑎᕋᕐᑯᐊᓂ ᑖᔅᓯᒪ ᐃᓗᑦᑐᖅᑎᖅᓯᒪᔫᑉ ᓄᖅᑲᖓᑎᑦᑎᓇᔭᖅᑑᑉ ᑯᕕᔪᖅᐸᑦ, ᐃᓕᓇᔭᐅᓯᒪᓪᓗᓂᓗ ᒥᑭᑑᑎᑯᓗᖕᒥᒃ ᓯᐅᕋᕐᒥᒃ 100-ᒥᓕᒦᑕᒥᒃ High Density Polyethylene (HDPE) ᐳᑐᓯᒪᐅᖅᑐᒥᒃ ᑲᑎᖅᓯᐃᔾᔪᑎᒥᒃ ᓯᑯᓕᖕᒥᒃ ᐃᓕᔭᐃᓯᒪᔪᖃᖅᐳᖅ ᐊᑖᓂ ᑖᔅᓯᒪ ᓄᖅᑲᖓᑎᑦᑎᓇᔭᖅᑑᑉ ᐃᓗᑦᑐᖅᑎᓯᒪᔫᑉ, ᑖᓐᓇᓗ ᐊᑦᑕᑦᑎᓯᒪᓪᓗᓂ ᐳᔫᖅᓯᒪᖕᒋᑦᑐᒧᑦ ᓯᑯᓕᖕᒧᑦ ᑕᐅᕙᓂ ᓯᕕᖓᓂᖓᓃᑦᑐᓂ ᖁᓚᓄᖕᒐᐅᕙᓪᓕᐊᓯᒪᓪᓗᓂᓗ ᑖᔅᓯᒪ ᐊᕙᓘᑉ. ᑕᒪᓐᓇ ᐃᒪᕐᒧᑦ ᑯᕕᕙᓪᓕᐊᔪᒧᑦ ᑲᑎᖅᓯᐅᕙᓪᓕᐊᔾᔭᑎ ᓯᑯᓕᒃ ᐊᑐᖅᑕᐅᔪᓐᓇᖅᐳᖅ ᐊᐅᓚᑦᑎᑦᑎᔾᔪᑕᐅᓗᓂ ᕿᐅᒃᑲᖓᓇᖅᑐᒥᒃ ᐲᖅᓯᕙᓪᓕᐊᓗᓂ ᕿᐅᒃᑲᖓᓇᖅᑐᒥᒃ ᐃᒪᕐᒥᒃ ᔫᓐᓂᑦ ᑕᕝᕙᖓᑦ ᑲᑎᖅᓯᐃᕙᖕᒥᑦ ᐃᓗᑦᑐᖅᑎᖅᓯᒪᔪᒥᒃ ᑯᕕᑎᓕᕐᒥᓗᓗ ᑎᖕᒥᒃᑎᓪᓗᒍ ᑕᕝᕗᖓ ᓱᕈᖅᑎᓯᒪᔪᒧᑦ ᒪᓂᖅᑲᒧᑦ.

THE GOVERNMENT OF NUNAVUT
COMMUNITY AND GOVERNMENT SERVICES

PROJECT: POND INLET LANDFILL CONSTRUCTION - TENDER DRAWINGS
LOCATION: PONE INLET, NU
PROJECT NO: 07-7400-1000
DATE: MAY 2007



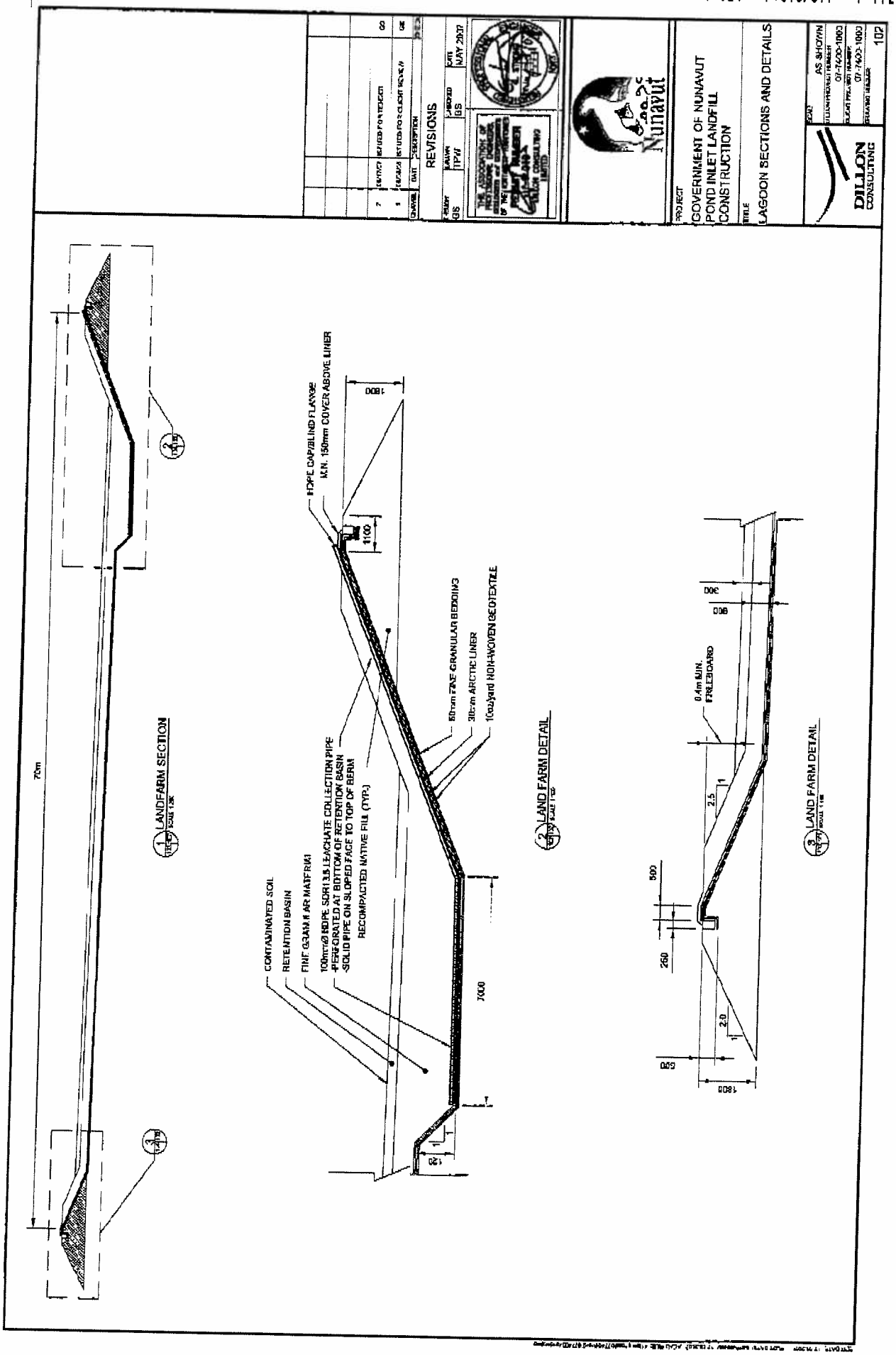
List of Drawings	
Sheet Number	Sheet Title
100	Cover
101	Lagoon Plan
102	Lagoon Sections and Details
103	Chain Link Fence and Monitoring Well Details

DILLON CONSULTING

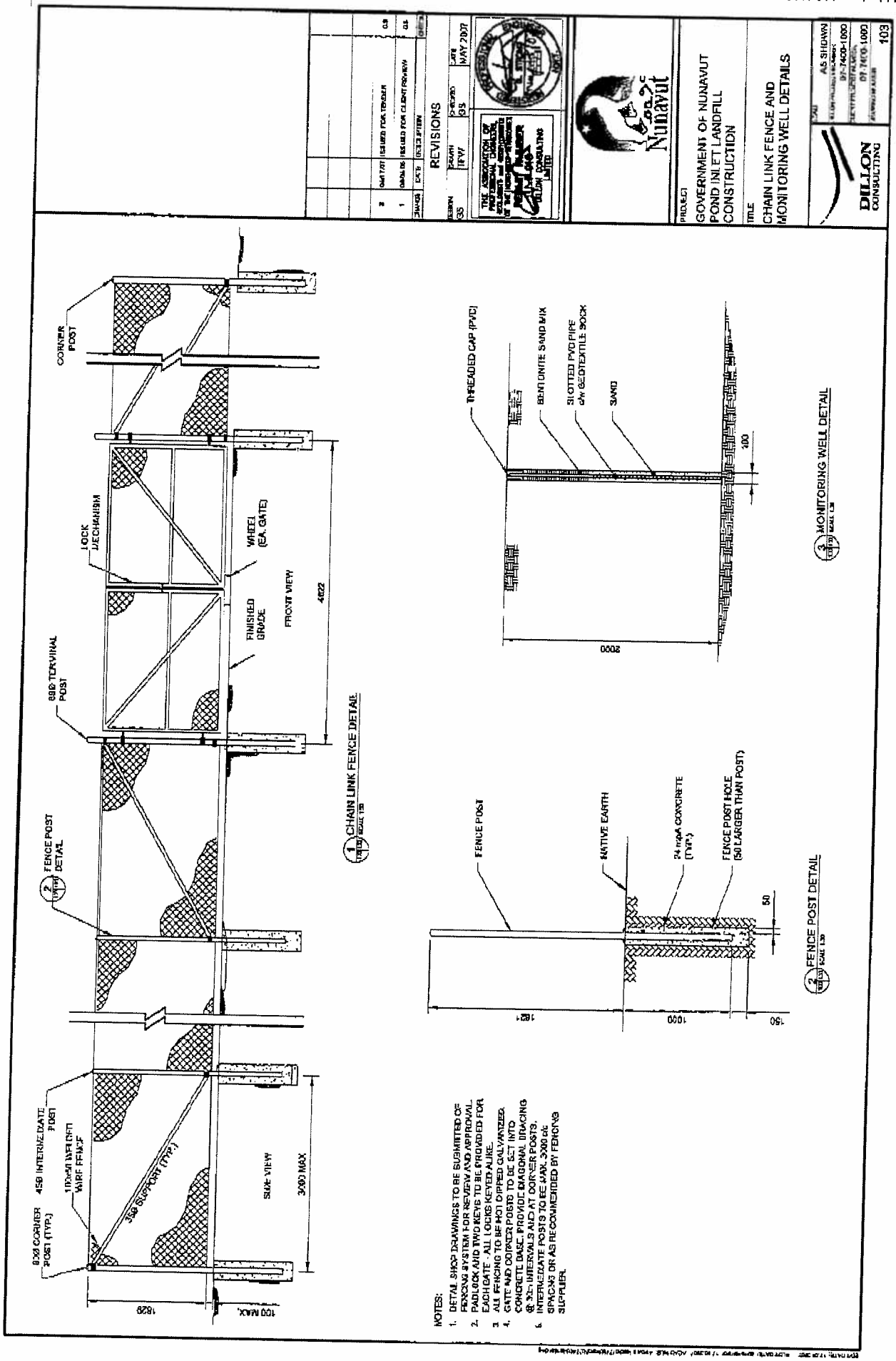
DRAWING NUMBER 100

11/08

NOTES
REVISIONS
GOVERNMENT OF NUNAVUT
POND INLET LANDFILL
CONSTRUCTION
LAGOON PLAN
DILLON CONSULTING
ACCESS ROAD
ACCESS ROAD
ACCESS ROAD
RAMP
78.59
72.37
66.87
13.12
7.68
13.00
6.00
65.80
72.39
78.58


REVISIONS
GOVERNMENT OF NUNAVUT
POND INLET LANDFILL
CONSTRUCTION
LAGOON SECTIONS AND DETAILS
DILLON CONSULTING
1 LANDFARM SECTION
2 LAND FARM DETAIL
3 LAND FARM DETAIL
CONTAMINATED SOIL
RETENTION BASIN
FINE GRANULAR MATERIAL
100mmØ HDPE SDR13.5 LEACHATE COLLECTION PIPE
-PERFORATED AT BOTTOM OF RETENTION BASIN
-SOLID PIPE ON SLOPED FACE TO TOP OF BERM
RECOMPACTED NATIVE FILL (TYP.)
HDPE CAP/BLIND FLANGE
M.N. 150mm COVER ABOVE LINER
50mm FINE GRANULAR BEDDING
30mm ARCTIC LINER
10oz/yard NON-WOVEN GEOTEXTILE
0.4m MIN. FREEBOARD

10/11


REVISIONS
DESIGN 3S
DRAWN TFW
CHECKED 3S
DATE MAY 2007
PROJECT
GOVERNMENT OF NUNAVUT
POND INLET LANDFILL
CONSTRUCTION
TITLE
CHAIN LINK FENCE AND
MONITORING WELL DETAILS
DILLON CONSULTING
AS SHOWN
07-7400-1000
07-7400-1000
103
CORNER POST
LOCK MECHANISM
WHEEL (EA. GATE)
FINISHED GRADE
FRONT VIEW
4822
SIDE VIEW
3000 MAX
1829
100 MAX.
89S TERMINAL POST
FENCE POST DETAIL
CHAIN LINK FENCE DETAIL
89S CORNER POST (TYP.)
45S INTERMEDIATE POST
11mm WIRE (NOT) WARP FENCE
35S SUPPORT (TYP.)
THREADED CAP (PVC)
BENTONITE SAND MIX
SLOTTED PVC PIPE c/w GEOTEXTILE SOCK
SAND
100
2000
MONITORING WELL DETAIL
FENCE POST
NATIVE EARTH
24 mpa CONCRETE (TYP.)
FENCE POST HOLE (50 LARGER THAN POST)
50
1829
1000
150
FENCE POST DETAIL
NOTES:
1. DETAIL SHOP DRAWINGS TO BE SUBMITTED OF FENCING SYSTEM FOR REVIEW AND APPROVAL.
2. PADLOCK AND TWO KEYS TO BE PROVIDED FOR EACH GATE - ALL LOCKS KEYED ALIKE.
3. ALL FENCING TO BE HOT DIPPED GALVANIZED.
4. GATE AND CORNER POSTS TO BE SET INTO CONCRETE BASE. PROVIDE DIAGONAL BRACING @ 30± INTERVALS AND AT CORNER POSTS.
5. INTERMEDIATE POSTS TO BE MAX. 3000 c/c SPACING OR AS RECOMMENDED BY FENCING SUPPLIER.

11/11