



NAME OF UNDERTAKING: Labrador City Storage/Waste Transfer Facility

PROPOSER:

(i) Name of Corporate Body:

Matrix Environmental Incorporated

(ii) Address:

10 Ilsley Avenue, Suite 3
Dartmouth, Nova Scotia
B3B 1L3

(iii) Chief Executive Officer:

Name:	Alton Payne
Official Title:	President
Address:	10 Ilsley Avenue, Suite 3
Telephone No.:	(902) 468-2771

(iv) Principal Contact Person for Purposes of Environmental Assessment

Name:	Dave Rautio
Official Title:	Facility Manager
Address:	10 Ilsley Avenue, Suite 3
Telephone No.	(506) 450-1900
Fax. No.	(506) 450-4995
e-mail:	drautio@matrixenvironmental.com

THE UNDERTAKING:

(i) Nature of Undertaking:

Matrix Environmental Incorporated (Matrix) has developed a management plan to construct and operate a temporary waste storage facility for industrial and hazardous wastes in Labrador City, NF. This management plan will include a certificate of approval to operate the facility and a transportation system in order to service our clients.



(ii) Purpose/Rationale/Need for the Undertaking:

The purpose of this undertaking is to better service our clients in the waste management industry. By establishing a waste transfer building and associated transportation network we are confident we will be able to:

- reduce the associated costs to our clients
- reduce the time required for service
- provide expertise and professional services at the local level

DESCRIPTION OF THE UNDERTAKING:

(i) Geographical Location:

The temporary storage building for industrial and hazardous wastes will be located in Labrador City Industrial Park, Labrador City, Newfoundland. The building is neighbored to the north, south, east and west by undeveloped industrial lots. Additional land use of the surrounding area is industrial. Land use for this project is type F as per Use Zone Table of the Labrador City Development Regulations.

Please see appendix for site location maps, existing access routes, and visual depictions.

(ii) Physical Features

The location of the facility will be in the Labrador City Industrial Park, Labrador City, Newfoundland.

The aforementioned industrial park is located along the Town's most easterly boundary on approximately 25 acres of land. The town is strategically positioned to access Labrador West's large industrial base and extensive transportation network.

The industrial park is presently flat undeveloped woods and scrub land.

(iii) Construction

Construction of the facility will commence immediately after all applicable permits are in place. Matrix wishes to start construction mid summer of 2002 with a completion date tentatively late fall 2002.



There are no potential sources of pollutants during construction other than from heavy equipment mishaps.

There are no potential causes of resource conflicts.

(iv) Operation

Matrix intends to construct and utilize a self-contained, non-combustible structure for the purpose of temporarily storing drummed wastes. This operation would be limited to storing and/or bulking drums for out of province disposal. The wastes would be limited to liquid and solid industrial wastes with the majority being petroleum based. A portion of these wastes would be bulked on site into tanks or sealed roll-off containers as part of the waste management system.

To coincide with this building and enabling Matrix to service it's clients a transportation system in the form of a hazardous waste transport permit is also being requested.

The building will have a total of approximately 4,000 square feet with a 4" reinforced epoxy coated floor and a HDPE liner underneath the floor. The floor will be surrounded by a 4" concrete berm which supplies containment. The building will be all steel and have two 10' x 12' roll up steel doors along with man-doors.

The building will be divided into two sections. One section will be for truck wash outs and the other for drum storage. The truck wash out side will be complete with an oily water separator.

All drums will be stored within the building and kept on pallets therefore allowing good visibility of all materials.

Adjacent to the building there will be a 25' x 45' bermed containment pad for the storage of roll-off containers to be used for bulking solid petroleum based wastes. And an optional additional 100' x 100' bermed containment pad for the storage of soil to held for eventual thermal treatment.

There will also be a small tank farm consisting of 2 x 36,000 L mild steel tanks. These tanks will be horizontal above ground tanks surrounded by a concrete dyke and used to store liquid petroleum based wastes.

The facility would be for **temporary storage** of wastes only and have limited operations as follows:

- Storage of drums for further shipment
- Bulking of solids into roll-off containers for further shipment
- Bulking of waste oil, oily waters and antifreeze for further shipment
- Consolidation of lab packs and lab pack items for further shipment
- Temporary storage of contaminated soils for treatment

Matrix will ensure that all waste handled under the approval is shipped to receiving facilities approved to handle such waste by the environmental regulatory agency of the receiving jurisdiction.

An on-going inventory of all materials received, stored and shipped will be maintained at all times.

A maximum of 520 drums, 72,000 L of liquid petroleum wastes, 50 cubic yards of solid petroleum wastes, and 100 metric tonnes of contaminated soil will be stored on site at one time.

Wastes received will be limited to:

- Greases
- Oily rags and sorbents
- Petroleum contaminated soil
- Used oils and antifreeze
- Waste fuels (TDG class 3 only)
- Waste solvent (TDG class 3 only)
- Miscellaneous lab packed materials such as lab chemicals and household hazardous wastes (TDG class 2.1, 3, 4, 5.1, 6.1 & 8)

Matrix wishes to be able to accept from the Atlantic provinces and the province of Quebec.

A safe, contained, properly run temporary storage unit such as the one proposed poses minimal risk to the environment. There will be no discharge of wastes to the environment and no fugitive air emissions. A temporary storage facility in this location also enables quick response to our clients in the region. It will also provide a drop point for HHW material from local residents.

Potential sources of pollution include mechanical leaks from equipment used and spillage of wastes. Equipment will be kept in good repair, inspected regularly, and properly maintained. Drums will be of good integrity, overpacked as required, and inspected regularly. There will be ample spill response equipment and supplies on site at all times and all staff will be properly trained in its proper use.

The site will be managed and occupied by one on-site manager and two trained technicians.

Personnel will be trained in TDG, WHMIS, first aid, confined space and 40-hour HAZWOPER.

A full contingency plan will be in place and made available to your department when operations at the facility begin.

(v) Occupation

The anticipated occupations required for this facility are:

- Inspector, hazardous waste, environmental health (1)
- Material handlers (2)

APPROVAL OF THE UNDERTAKING:

This undertaking will require the following:

- Release of the undertaking under the Environmental Assessment Act – Department of Environment
- Certificate of Approval from the Department of Environment
- Building Permit for the Town of Labrador City

SCHEDELE:

Assuming all approvals and permits are in place construction could commence mid July, 2002 and completed late September, 2002.

These dates have been selected as Matrix would like to proceed with this business development quickly due to our clients needs and market conditions.

**FUNDING:**

This project is not dependant on any government funding.

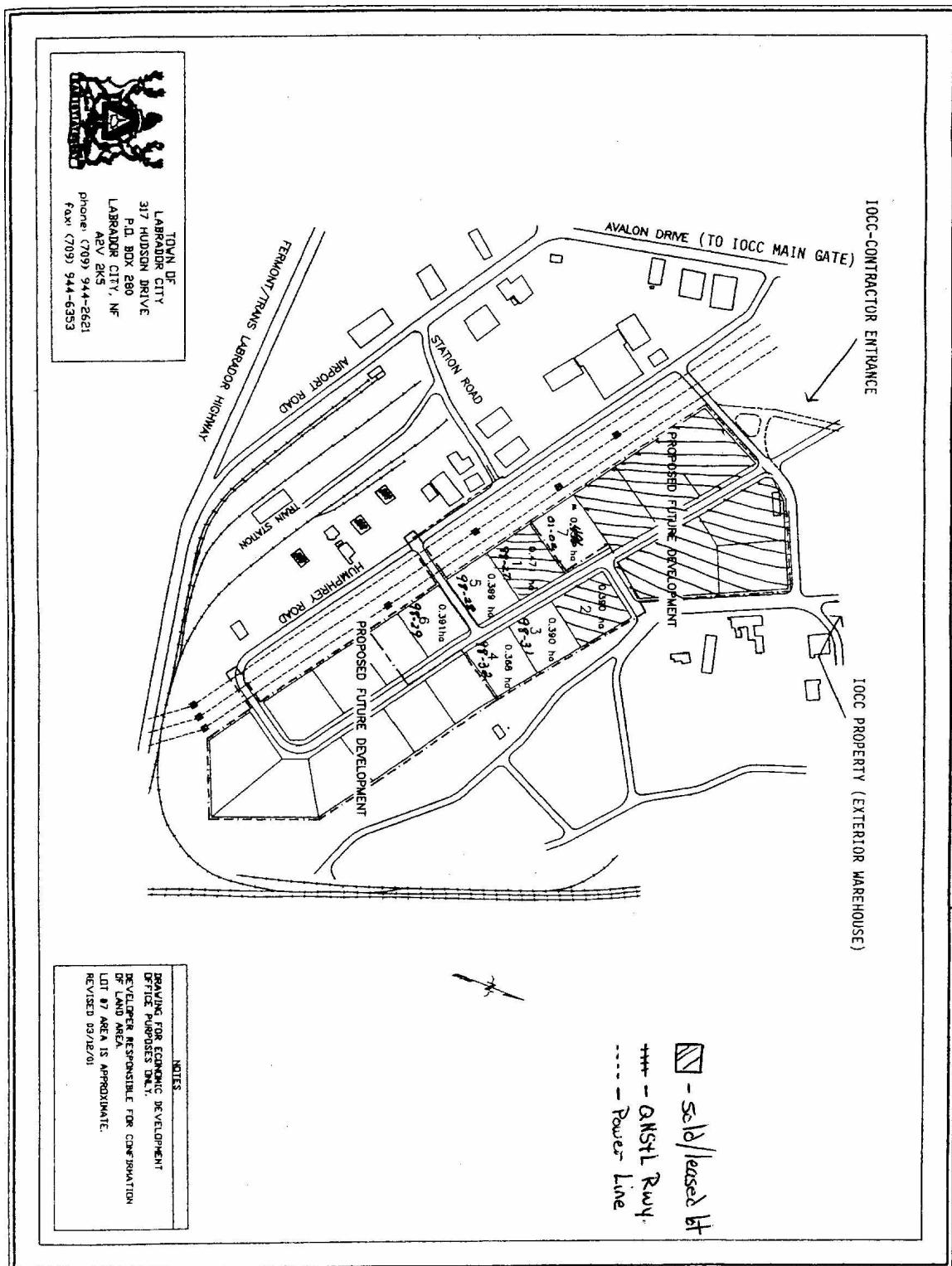
Date

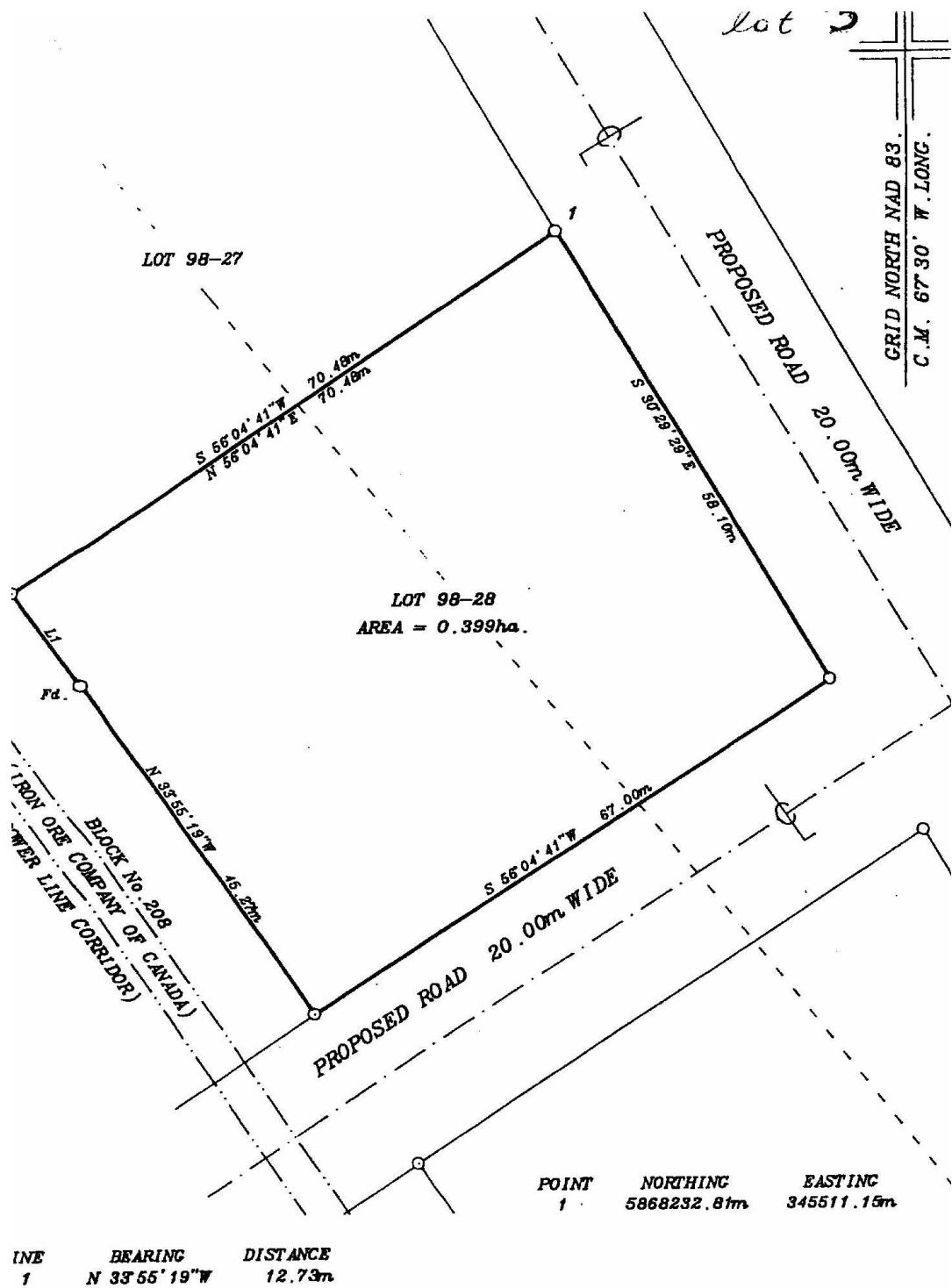
Signature of Chief Executive Officer



APPENDICES

- 1) Site Location & Schematics
- 2) References
- 3) Corporate Information





N.E. PARROTT SURVEYS LTD.
NEWFOUNDLAND LAND SURVEYORS
GOOSE BAY, LABRADOR 896-5019

- - IRON BAR
- - CAPPED IRON BAR

Fd. - FOUND

ATE: - SEPTEMBER 18, 1998

SCALE - 1:500



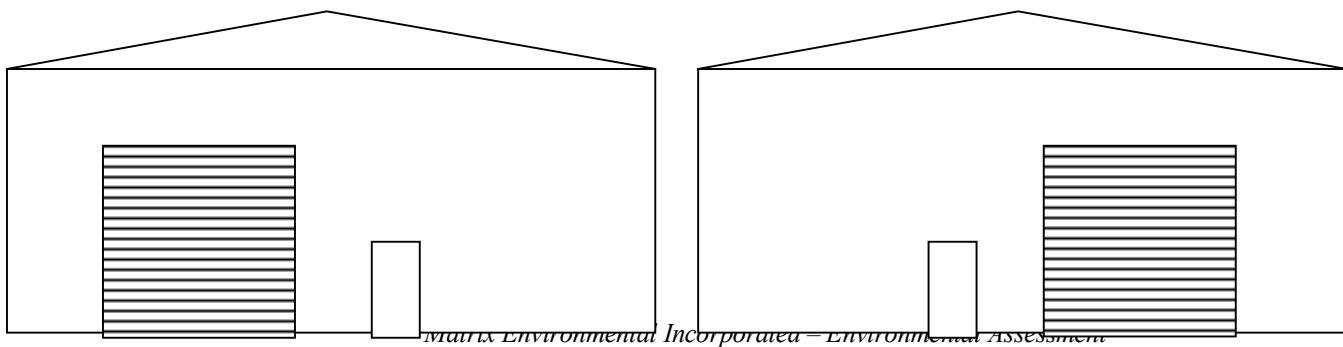
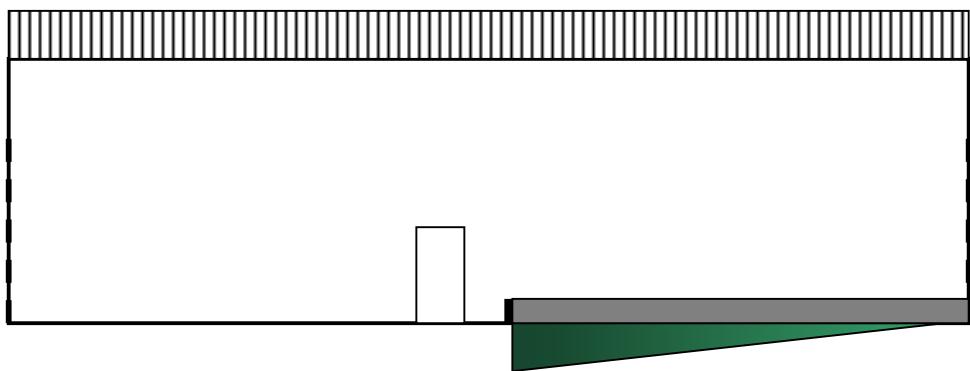
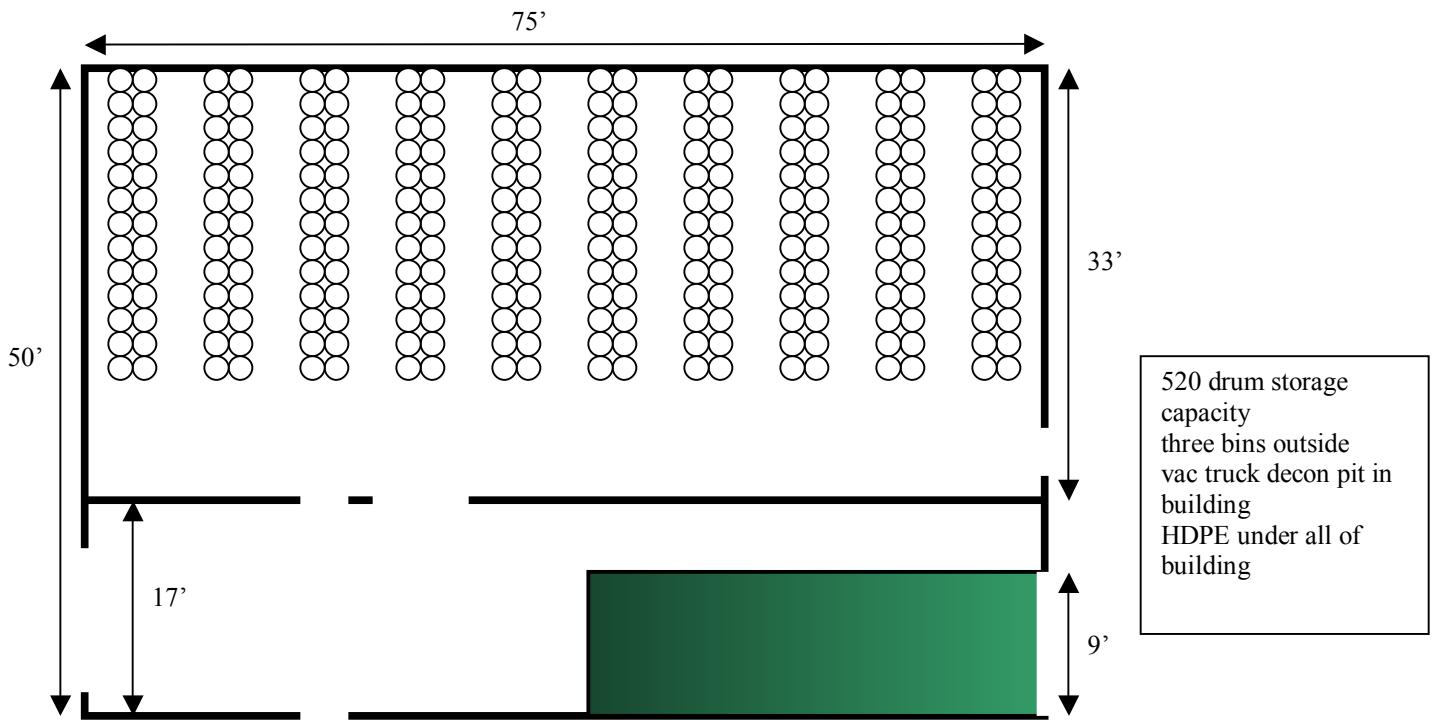
North-West View of Industrial Park Road



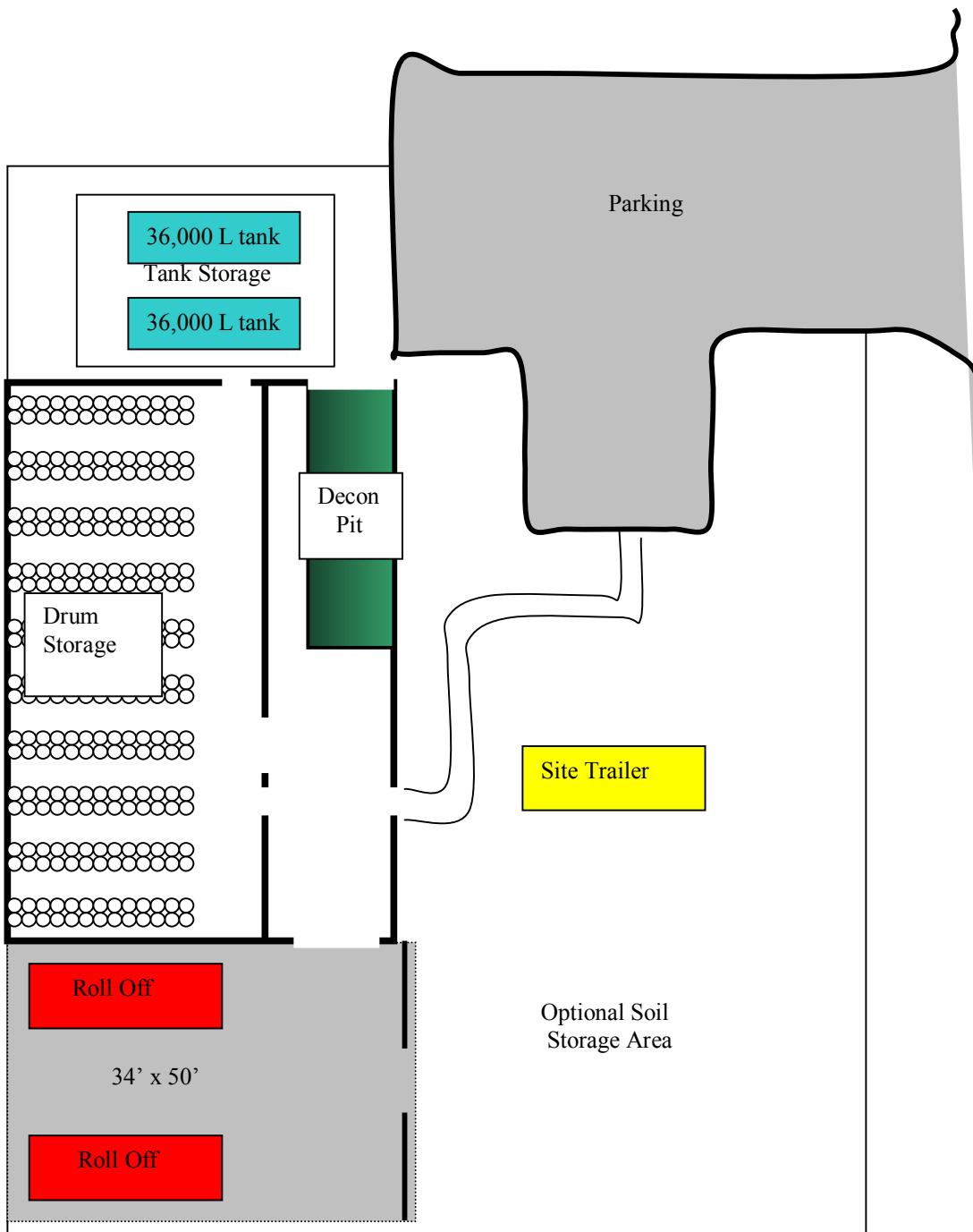
South-East View of Industrial Park Road



Building Schematic



Site Layout Drawing





CLIENT LIST/REFERENCES

- **North Atlantic Refining Limited**
- **Iron Ore Company of Canada**
- **PEI - Island Waste Management Corporation**
- **Orica Canada**
- **Nova Scotia Department of Public Works and Government Services**
- **Newfoundland Hydro**
- **CFLCo (Churchill Falls)**
- **New Brunswick Power**
- **Newfoundland Department of Environment and Labour**
- **PanCanadian Petroleum**



TOWN OF LABRADOR CITY

**317 HUDSON DRIVE
P.O. BOX 280, LABRADOR CITY, NF A2V 2K5
TELEPHONE (709) 944-2621
FAX (709) 944-6353**

OFFICE OF THE MAYOR

January 8, 2002

Mr. Alton Payne, President
Matrix Environmental Inc.
P.O. Box 391
Labrador City, NF A2V 2K7

Dear Sir:

On behalf of Council for the Town of Labrador City, I am pleased to extend our full support for the construction and operation of a Material Management Facility in Labrador City.

The ability to properly handle materials such as waste oil, oily rags, solvents, unused chemicals, paints and household hazardous waste will provide an essential environmental service to industrial, business and residential stakeholders in Labrador City, Wabush and possibly Churchill Falls. Due to our geography, it is not always feasible to transport waste materials out of the area for proper disposal or recycling on an individual basis. An approved storage site, staffed with trained personnel will eliminate this deterrent, increase the level of awareness for the proper disposal of hazardous materials and assist in the protection of our environment.

Matrix Environmental is recognized as the largest hazardous material management company in Atlantic Canada whose clientele includes the Iron Ore Company of Canada, Churchill Falls Labrador Corporation and the Department of Environment, Government of Newfoundland and Labrador.

The leadership and expertise demonstrated by Matrix Environmental, according to the regulations imposed by the appropriate governing bodies for the operation of such a facility, provides Council with every confidence in supporting this application.

Sincerely,

Graham Letto
Mayor

DG

Matrix Overview

Matrix Environmental is an Atlantic Canada based company, with field offices in Newfoundland and Labrador, Nova Scotia and New Brunswick and operates a hazardous waste transfer station in Fredericton, NB.

Matrix is managed by Professionals who have a proven track record in the environmental industry. The commitment to safety, professionalism and advanced services is the core of Matrix Environmental. Matrix will search for the most effective solution to handle a project, placing a particular emphasis on recycling options and waste reduction for the client while keeping the protection of the environment as the number one priority.

As part of Matrix's commitment to the environment and the client, the company shall only use audited and approved waste treatment and destruction facilities that strictly adhere to the requirements of the environment and the client. As part of Matrix's commitment to Health and Safety, all project management staff have completed the 40-hour Environment Canada/EPA Contaminated Sites Health and Safety Training Program.

Matrix Health and Safety

Matrix Environmental has a strong commitment to the health and safety of its employees. As a result a comprehensive health and safety program has been established to meet this essential commitment. The Health and Safety Program addresses such issues as Employee Training, Health and Safety Meetings and Inspections, Emergency Response, General Safety and Contractor Safety Requirements. The proper management of these issues in addition to others is considered fundamental to ensure a safe workplace. Matrix expects and rewards excellence in Safety, Health, and Environmental Performance. This excellence is achieved through the support of all personnel. In addition, to the high standards set for its own employees, Matrix insists that all subcontractors maintain the same standard as Matrix.

Matrix Training

The following training is required for Matrix Personnel:

- 40 hour Hazwoper
- Confined Space Entry (All)
- Transportation of Dangerous Goods
- WHMIS
- First Aid
- PPE Training (All)

Other training is required depending on the nature of the project.

Matrix Insurance

Matrix carries as minimum \$5,000,000 coverage in the following areas:

- Environmental Impairment
- Errors and Omissions
- Automobile
- General Liability

A copy of our insurance certificate is included

Matrix Services

Matrix Environmental offers the following services to its clients:

- Hazardous Waste Management Services (Refinery Bulk Waste Management)
- Industrial Waste Management Services
- PCB Management Services
- Site Remediation Services
- Landfill Services
- Industrial Wastewater Treatment Services
- Industrial Services
- Demolition Services
- Household Hazardous Waste Management

