



~~ENVIRONMENTAL~~
Conservation

Environmental Management

123 Main Street, Suite 160
Winnipeg MB R3C 1A5
CANADA

Fax: (204) 945-5229

Internet: <http://www.gov.mb.ca/environ>

FAXED
CLIENT FILE NO.: 4448.00

November 9, 1999

Blair Geisel, Manager
Central Manitoba Resource
Management Limited
PO Box 1265
Portage la Prairie MB R1N 3J9

Dear Mr. Geisel:

Enclosed is Environment Act **Licence No. 2436** dated November 9, 1999 issued in accordance with the Manitoba Environment Act to **Central Manitoba Resource Management Limited** in connection with the construction and operation of the Development being irrigation systems located approximately 5 kilometres east of High Bluff in the Rural Municipality of Portage la Prairie (Fingas/Leslie project) and adjacent to Provincial Road 242 near Rosendale in the Rural Municipalities of North Norfolk and South Norfolk (Upper Rat Creek project), in accordance with the Proposal filed under The Environment Act dated June 25, 1999.

In addition to the enclosed Licence requirements, please be informed that all other applicable federal, provincial and municipal regulations and by-laws must be complied with.

For further information on the administration and application of the Licence, please feel free to contact Walter Keryluk at 239-3187.

Yours truly,

Larry Strachan, P. Eng.
Director
Environment Act

Enc.

- c: L. MacCallum, Regional Director, South-Central Region, Conservation
- W. Keryluk, Environment Officer, South-Central Region, Conservation (FAXED)
- Centennial Public Library/Manitoba Eco-Network/Portage Plains Regional Library
- R.M.'s of Portage la Prairie/South Norfolk/North Norfolk
- G. McPhail, KGS Group (FAXED)
- D. Menon, Manitoba Water Services Board (FAXED)

NOTE: Confirmation of Receipt of this Licence (by the Licencee only) is required by the Director of Approvals. Please acknowledge receipt by signing in the space provided below and faxing back to the Department by November 16, 1999.

On behalf of Central Manitoba Resource
Management Limited

Date



Environment Act Licence

Loi sur l'environnement Licence

Manitoba
Conservation
Conservation
Manitoba



Licence No./Licence n° 2430

Issue Date/Date de délivrance November 9, 1999

**IN ACCORDANCE WITH THE MANITOBA ENVIRONMENT ACT (C.C.S.M. c. E125)
THIS LICENCE IS ISSUED PURSUANT TO SECTION 11(1) TO:**

**CENTRAL MANITOBA RESOURCE MANAGEMENT LIMITED;
"the Licencee"**

for the construction and operation of the Development being irrigation systems located approximately 5 kilometres east of High Bluff in the Rural Municipality of Portage la Prairie (Fingas/Leslie project) and adjacent to Provincial Road 242 near Rossendale in the Rural Municipalities of North Norfolk and South Norfolk (Upper Rat Creek project), in accordance with the Proposal filed under The Environment Act dated June 25, 1999, and subject to the following specifications, limits, terms and conditions:

GENERAL TERMS AND CONDITIONS

This Section of the Licence contains requirements intended to provide guidance to the Licencee in implementing practices to ensure that the environment is maintained in such a manner as to sustain a high quality of life, including social and economic development, recreation and leisure for present and future Manitobans.

1. The Licencee shall ensure that all used oil products and other regulated hazardous wastes generated by the machinery used in the construction and operation of the Development are collected and disposed of in accordance with applicable Manitoba Conservation and legislation requirements.
2. The Licencee shall revegetate areas disturbed by the construction of the Development with a mixture of native or introduced grasses or legumes. These areas shall be revegetated as quickly as possible following construction to prevent soil erosion and the establishment of noxious weeds. Native species shall be used to revegetate areas where native species existed prior to construction.
3. The Licencee shall:
 - a) prepare "As Constructed" drawings for the Development and shall label the drawings "As Constructed"; and
 - b) provide to the Director, within three months of the completion of construction of the Development, two sets of "As Constructed" drawings.

SPECIFICATIONS, LIMITS, TERMS AND CONDITIONS

Project Scope

4. The Licencee shall, unless otherwise approved by the Director in writing, construct the water diversion and management works and irrigate the land as described on the following plans attached to this Licence:
 - a) *Fingas/Leslie Project*: Fingas/Leslie Irrigation Project Site Plan and Irrigation Areas, Figure 1 (attached to this Licence as Figure 1); and
 - b) *Upper Rat Creek Project*: Upper Rat Creek Irrigation Project Site Plan and Irrigation Area, Figure 1 (attached to this Licence as Figure 2).

Proposed amendments to these plans must be submitted to the Director for approval with the nature and purpose of the amendments noted on the plans.

Construction

5. The Licencee shall notify the Environment Officer responsible for the administration of this Licence not less than two weeks prior to beginning construction of the Development. The notification shall include the intended starting date of construction and the name of the contractor responsible for the construction.
6. The Licencee shall ensure that fuel storage areas established for the construction of the Development are located a minimum distance of 100 metres from any waterbody, and shall comply with the requirements of *Manitoba Regulation 97/88R* respecting *Storage and Handling of Gasoline and Associated Products*.
7. The Licencee shall not undertake instream construction activities in connection with the Development between April 1 and June 15 of any year.
8. The Licencee shall not undertake instream construction activities in connection with the Development during periods of high streamflow.
9. The Licencee shall, prior to undertaking construction activities on the East side of Section 29-9-9W, meet with regional wildlife staff of Manitoba Conservation and obtain a Wildlife Management Area use permit if necessary.
10. The Licencee shall, prior to undertaking construction of the rockfill weirs of the Development on Rat and Bagot creeks, review design details for the weirs with regional Manitoba Conservation staff.
11. The Licencee shall ensure that buried pipelines which are installed on cultivated land or land in its natural state are installed in accordance with the methodology illustrated in Figures 3 to 5, attached to this Licence. These procedures do not apply when a plough or a continuous trencher is used to install a pipeline.

Operation

12. The Licencee shall, prior to operation of the Development, obtain an agreement from the Whitemud Watershed Conservation District respecting the use of the District's drainage system for the conveyance of water for the Upper Rat Creek component of the Development.
13. The Licencee shall, during operation of the Development, take all precautions necessary to prevent fuel from entering any waterbody. Diesel pump units shall be placed on drip trays and fuel tanks shall be double walled or contained in larger non drainable containers. Fuel spills in excess of 100 litres shall be immediately reported to an Environment Officer.
14. The Licencee shall ensure that pump intakes associated with the Development are screened in accordance with the Department of Fisheries and Oceans publication "Freshwater Intake End-of-Pipe Fish Screen Guideline" (March, 1995). Final screen designs shall be approved by the Department of Fisheries and Oceans prior to the operation of the Development. Alterations in screen design required by any future changes in the pumping period shall also be approved by the Department of Fisheries and Oceans prior to any changes in the operation of the Development.
15. The Licencee shall ensure that a minimum instream flow is maintained below all diversion points of the Development at all times while water is being diverted into the Development. The minimum instream flow at each diversion point shall be as determined by Manitoba Conservation and specified in a Water Rights Licence issued for the Development.
16. The Licencee shall immediately cease diverting water from the applicable water source or reduce the diversion rate if the minimum instream flow provided for in Clause 15 of this Licence is not equalled or exceeded.
17. The Licencee shall, on a daily basis while irrigation is occurring from the Development, record volumes of water pumped, and durations of pumping. A report on this information shall be provided, by March 1 of the following year, to the Environment Officer responsible for the administration of this Licence, the Environmental Approvals Branch, and the Water Resources Branch of Manitoba Conservation. The report shall be provided in the format shown in Table 1, attached to this Licence.
18. The Licencee shall ensure that irrigation does not occur, with water diverted by the Development, on a land parcel other than a land parcel identified in the Environment Act Proposal, dated June 25, 1999.

19. The Licencee shall implement agronomic practices described in the Annex to the Environment Act Proposal, dated June 25, 1999, titled "Best Management Practices Manual 1999", upon receiving the approval of the Director relative to these Best Management Practices. These practices shall be implemented relative to the specific requirements of Appendix A of each component of the Proposal, and their implementation shall be in keeping with future updates of the Best Management Practices Manual.
20. The Licencee shall ensure that backflow prevention devices are installed at all times when fertilizer or crop protection products are applied through the irrigation systems of the Development.

Monitoring

21. The Licencee shall provide a listing of annual groundwater, surface water and soil monitoring activities to be carried out for each of the two projects of the Development. The plan shall include a monitoring schedule, and shall be provided to the Director for approval by December 31, 1999.
22. The Licencee shall, on an annual basis, undertake the monitoring plan approved by Clause 21 of this Licence. A report summarizing the monitoring results for the previous year shall be submitted to the Director by March 1 of each year.

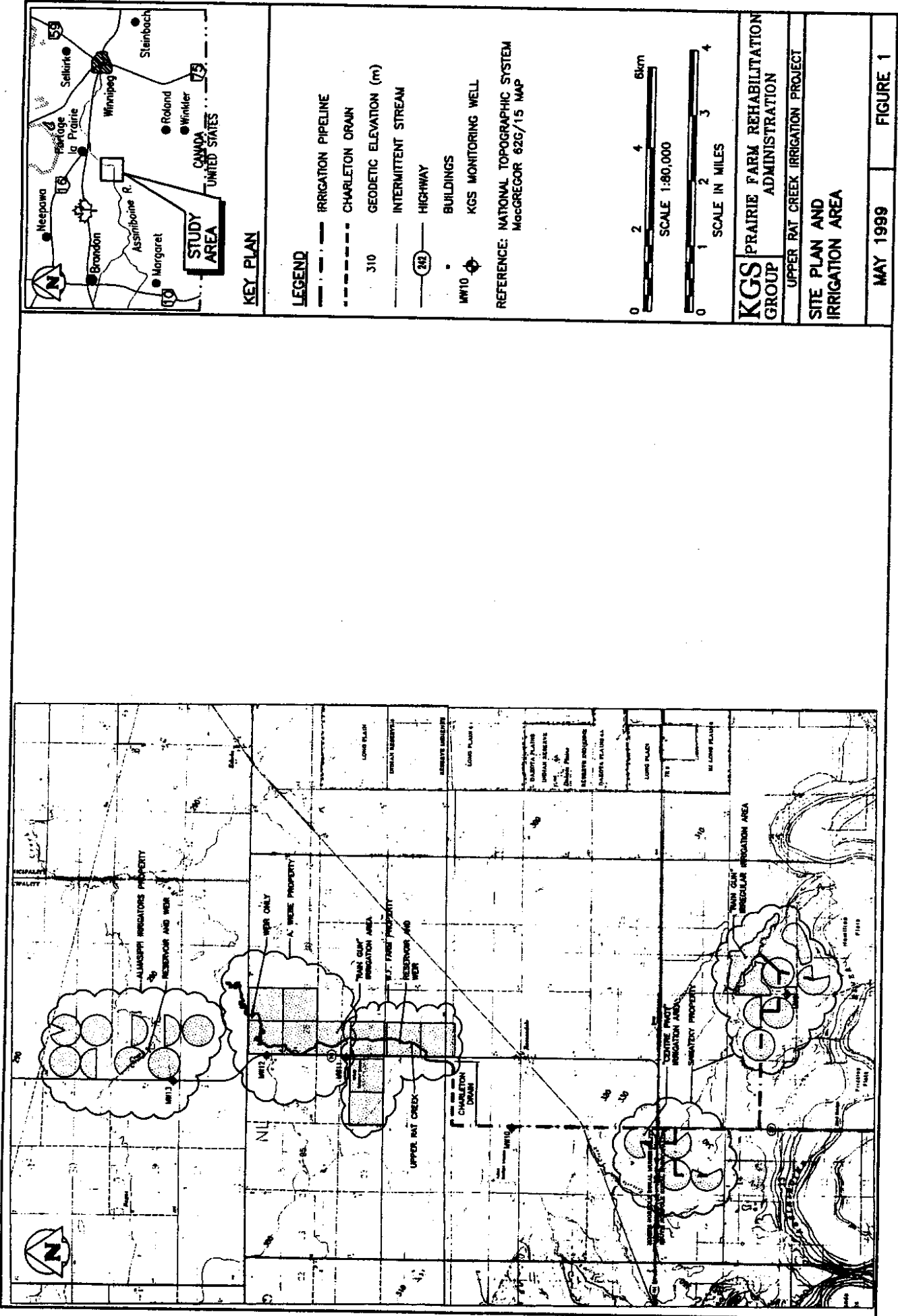
REVIEW AND REVOCATION

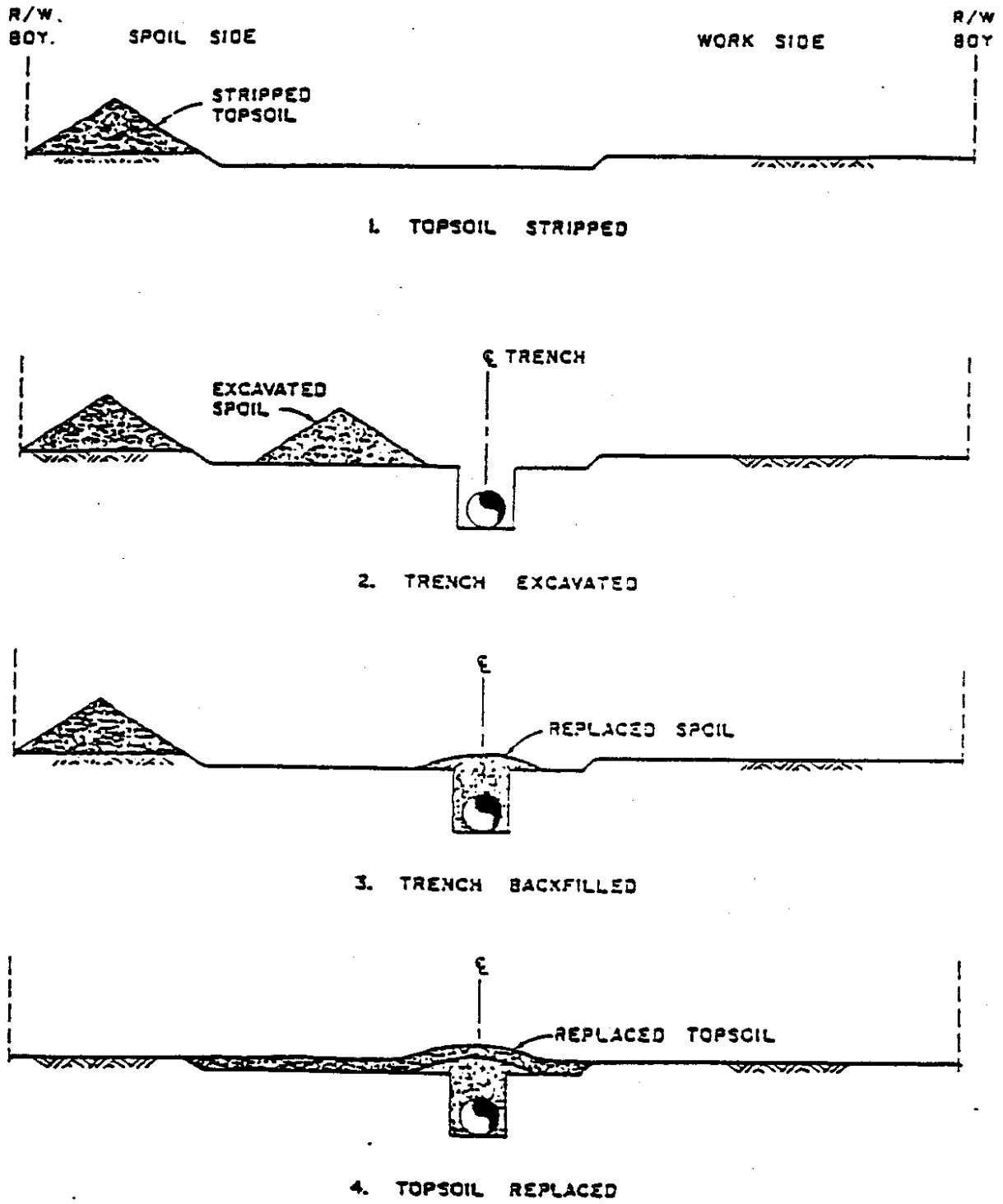
- A. If, in the opinion of the Director, the Licencee has exceeded or is exceeding or has or is failing to meet the specifications, limits, terms, or conditions set out in this Licence, the Director may, temporarily or permanently, revoke this Licence.
- B. If construction of the development has not commenced within three years of the date of this Licence, the Licence is revoked.
- C. If, in the opinion of the Director, new evidence warrants a change in the specifications, limits, terms or conditions of this Licence, the Director may require the filing of a new proposal pursuant to Section 11 of The Environment Act.



Larry Strachan, P. Eng.
Director
Environment Act

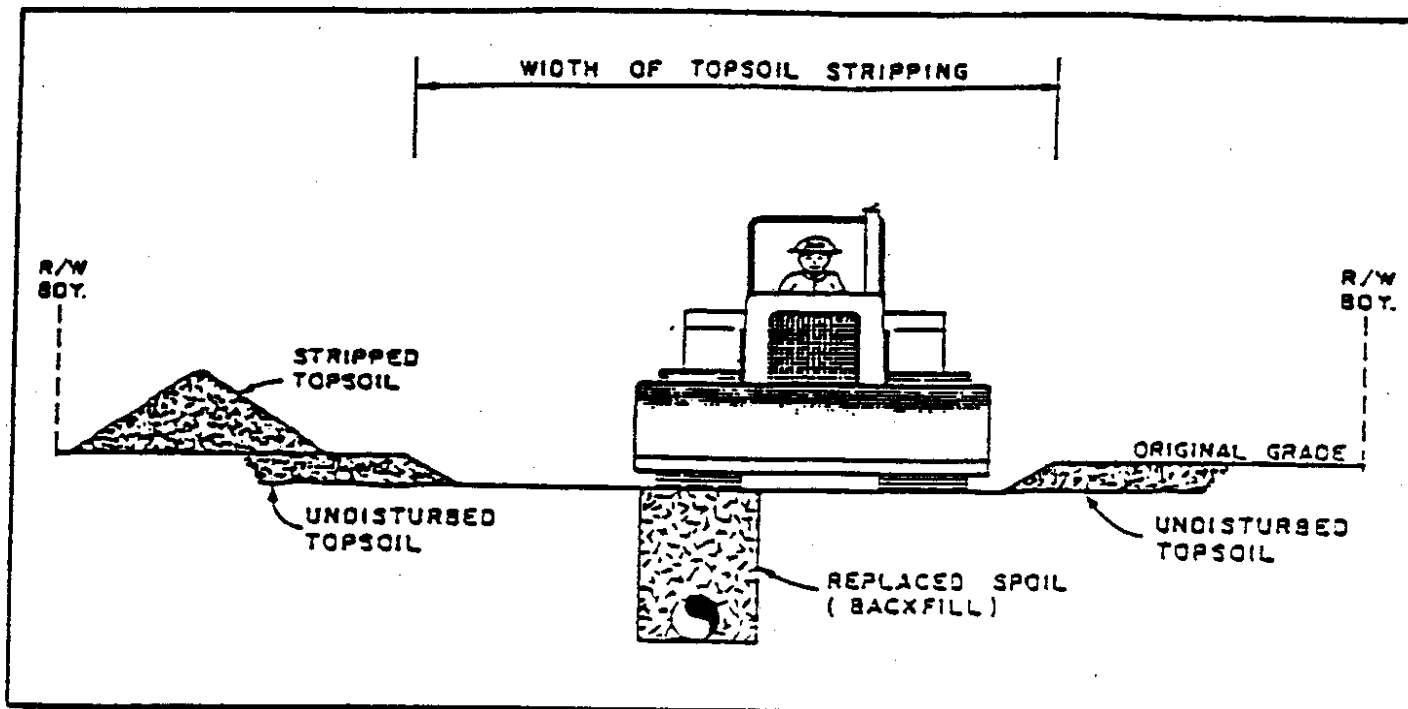
Figure 2 - To Environment Act Licence No. 2430





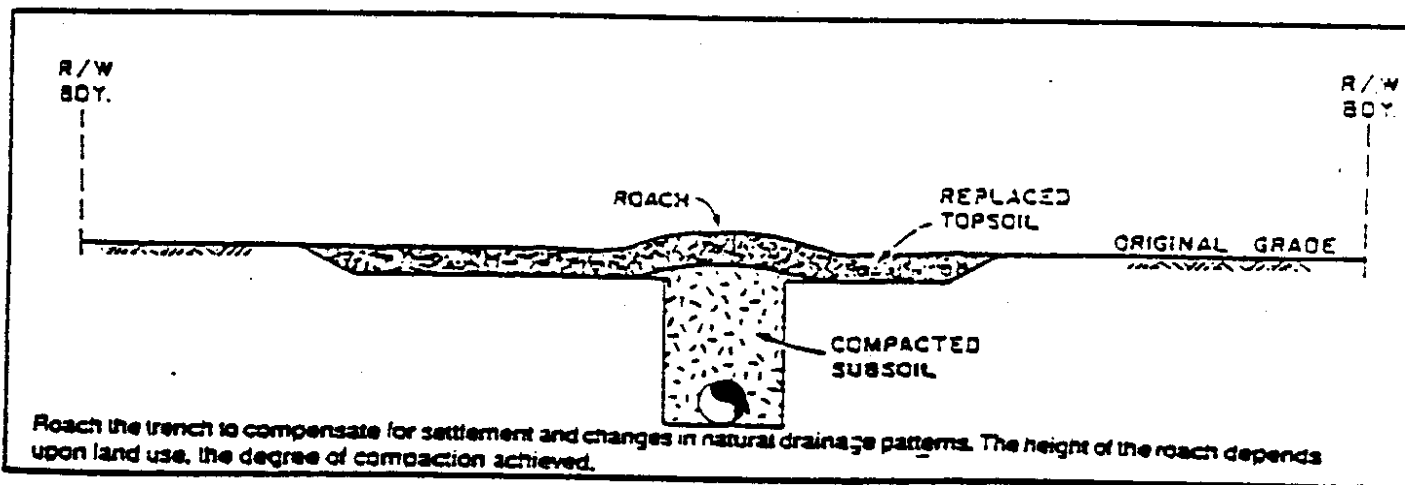
SEQUENCE OF TOPSOIL HANDLING

Figure 3



COMPACTION OF BACKFILL

Figure 4



ROACHING THE TRENCH

Figure 5

