



Environment and Climate Change

Environmental Approvals Branch
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EABDirector@gov.mb.ca

File No.: 6179.00

March 04, 2024

Richard Hofer
Monarch Colony
Box 226
Foxwarren MB R0J 0R0
jvrichards@gmail.com

Dear Richard Hofer:

**Re: Monarch Holding Co. Ltd. - Water Supply System - Environment Act Licence
No. 3417**

Please find enclosed the Environment Act Licence in response to your proposal dated March 8, 2023. You wish to build and operate a water supply system in the Prairie View Municipality.

All licence requirements and federal, provincial, and municipal regulations and by-laws must be followed. The licensee must get approval from the director per The Environment Act to alter the development.

Anyone affected by this decision may appeal, in writing, to the Minister of Environment and Climate Change at minecc@manitoba.ca by April 3, 2024. The licence is available on the public registry at <https://www.gov.mb.ca/sd/eal/registries/index.html>.

If you have any questions regarding this approval, please contact Kristy Forrestall, Regional Supervisor, Environmental Compliance and Enforcement Branch at EnvCEWestern@gov.mb.ca or 204-573-0518.

Sincerely,

Original Signed By
Agnes Wittmann
Director
The Environment Act

Enclosure

c. Kristy Forrestall

LICENCE

File No.: 6179.00

Licence No. / Licence n°: 3417

Issue Date / Date de délivrance : Month 04, 2024

In accordance with The Environment Act (C.C.S.M. c. E125)/
Conformément à la Loi sur l'environnement (C.P.L.M. c. E125)

Pursuant to Section 11(1) / Conformément au Paragraphe 11(1)

THIS LICENCE IS ISSUED TO: / CETTE LICENCE EST DONNÉE À:

Monarch Holding Co. Ltd.; "the licensee"

for the construction and operation of the development being two water supply wells and a 17.5 km long pipeline system, all within the Prairie View Municipality as identified in Schedule A of this licence, obtaining water that connects to an existing water treatment plant located on 35-17-27 WPM, following the Environment Act Proposal dated March 8, 2023, additional information dated August 14, 2023, October 16, 2023, and November 29, 2023, and subject to the following specifications, limits, terms, and conditions:

DEFINITIONS

In this licence,

"accredited laboratory" means an analytical facility accredited by the Standards Council of Canada (SCC), or accredited by another accrediting agency recognized by Manitoba Environment and Climate Change to be equivalent to the SCC, or be able to demonstrate, upon request, that it has the quality assurance/quality control (QA/QC) procedures in place equivalent to accreditation based on the international standard ISO/IEC 17025, or otherwise approved by the director;

"approved" means authorized by the director or assigned environment officer in writing;

"director" means an employee so designated under The Environment Act;

"environment officer" means an employee so designated under The Environment Act;

"riparian area" means an area of land on the banks or in the vicinity of a water body, which due to the presence of water supports, or in the absence of human intervention would naturally support, an ecosystem that is distinctly different from that of adjacent upland areas, as defined in The Water Protection Act;

"Standard Methods for the Examination of Water and Wastewater" means the most recent edition of Standard Methods for the Examination of Water and Wastewater published jointly by the American Public Health Association, the American Water Works Association and the Water Environment Federation;

"waste disposal ground" means an area of land designated by a person, municipality, provincial government agency, or crown corporation for the disposal of waste and approved for use under the Waste Management Facilities Regulation, or any future amendments, or a licence under The Environment Act; and

"water body" means any body of flowing or standing water, whether naturally or artificially created, and whether the flow or presence of water is continuous, intermittent or occurs only during a flood, including but not limited to a lake, river, creek, stream, slough, marsh, swamp and wetland, including ice on any of them, as defined in The Water Protection Act.

GENERAL TERMS AND CONDITIONS

Retain Copy of Licence

1. The licensee must at all times maintain a copy of this licence at the development or at the premises from which the development's operations are managed.

Alterations to the Development

2. The licensee must obtain approval from the director for any proposed alteration to the development before proceeding with the alteration.

Future Sampling

3. In addition to any of the following specifications, limits, terms and conditions specified in this licence, the licensee must, upon the request of the director:
 - a) sample, monitor, analyze and/or investigate specific areas of concern regarding any segment, component or aspect of pollutant storage, containment, treatment, handling, disposal or emission systems, for such pollutants or ambient quality, aquatic toxicity, leachate characteristics and discharge or emission rates, for such duration and at such frequencies as may be specified;
 - b) determine the environmental impact associated with the release of any pollutant(s) from the development;
 - c) conduct specific investigations in response to the data gathered during environmental monitoring programs; or
 - d) provide the director, within such time as may be specified, with such reports, drawings, specifications, analytical data, descriptions of sampling and analytical procedures being used, bioassay data, flow rate measurements, and such other information as may from time to time be requested.

Reporting Format

4. The licensee must submit all information required to be provided to the director or environment officer under this licence, in electronic format, in such form (including number of copies), and of such content as may be required by the director or environment officer, and each submission must be clearly labelled with the licence number and file number associated with this licence.

Equipment and Process Upset

5. The licensee must, in the case of physical or mechanical equipment breakdown or process upset where such breakdown or process upset results or may result in the release of a pollutant in an amount or concentration, or at a level or rate of release, that causes or may cause a significant adverse effect, immediately report the event by calling the 24-hour environmental accident reporting line at 204-944-4888 (toll-free 1-855-944-4888). The report must indicate the nature of the event, the time and estimated duration of the event, and the reason for the event.
6. The licensee must, following the reporting of an event under clause 5,
 - a) identify the repairs required to the mechanical equipment;
 - b) undertake all repairs to minimize unauthorized discharges of a pollutant;
 - c) complete the repairs following any written instructions of the director; and
 - d) submit a report to the director about the causes of breakdown and measures taken, within one week of the repairs being done.

SPECIFICATIONS, LIMITS, TERMS AND CONDITIONS

Project Scope

7. The licensee must, unless otherwise approved by the director in writing, construct the raw water supply system described below:
 - a) Two water supply wells on NE 17-16-27 WPM; and
 - b) A pipeline system, with a capacity of up to 7.5 litres per second, mainly in municipal road allowances connecting the two wells on NE 17-16-27 WPM to the existing water treatment plant on NW 35-17-27 WPM as shown in Schedule A of this licence.

Construction - General

8. The licensee must notify the assigned environment officer not less than two weeks prior to beginning construction of the development. The notification must include the intended starting date of construction and the name of the contractor responsible for the construction.
9. The licensee must restrict construction and operational activities to only such lands to which the licensee possesses legal control, by ownership or by rental, lease, or other agreement.
10. The licensee must, prior to the construction of the development, obtain a permit to construct or alter a public water system from the Office of Drinking Water of Manitoba Environment and Climate Change.

11. The licensee must construct and operate the water supply system following Manitoba Regulations under The Public Health Act, The Drinking Water Safety Act, and all operating requirements as recommended by Manitoba Environment and Climate Change.
12. The licensee must maintain the water supply wells associated with the development to prevent the contamination of groundwater by surface water entering the well casings through:
 - a) the top of the casings; and
 - b) the sides of the casings.
13. The licensee must, during construction and maintenance of the development, operate, maintain, and store all materials and equipment in a manner that prevents any deleterious substances (fuel, oil, grease, hydraulic fluids, coolant, paint, uncured concrete and concrete wash water, etc.) from entering any waterbodies, and have an emergency spill kit for in-water use available on site during construction.
14. The licensee must collect and dispose of all used oil products and other regulated hazardous wastes generated by the machinery used in the construction and operation of the development following applicable legislation and Manitoba Environment and Climate Change requirements.
15. The licensee must dispose of non-reusable construction debris from the development at a waste disposal ground.
16. The licensee must revegetate areas disturbed by the construction of the development with a mixture of native or introduced grasses or legumes. These areas must be revegetated as quickly as possible following construction to prevent soil erosion and the establishment of noxious weeds. Native species must be used to revegetate areas where native species existed prior to construction.
17. The licensee must, during construction of the development, take all appropriate measures to prevent erosion and the deposition of sediment into any water body.
18. The licensee must locate fuel storage and equipment servicing areas established for the construction and operation of the development a minimum distance of 100 metres from any water body, and 30 metres from any well, and must comply with the requirements of the Storage and Handling of Petroleum Products and Allied Products Regulation or any future amendments.
19. The licensee must, during construction and maintenance of the development, prevent the introduction and spread of foreign aquatic and terrestrial biota by cleaning equipment before its delivery to the site of the development following the requirements of the Aquatic Invasive Species Regulation or any future amendments.
20. The licensee must not remove, destroy or disturb species listed as rare, endangered, or of special concern, or their habitats. These species are listed in the Threatened, Endangered and Extirpated Species Regulation or any future amendments, and in the federal Species at Risk Act.

21. The licensee must comply with the requirements of The Heritage Resources Act, and suspend construction and immediately notify the Historic Resources Branch if heritage resources are encountered during the construction of the development.
22. The licensee must, at all times during the construction of the development, maintain materials to contain and recover spills of fuel and other fluids associated with construction machinery at construction sites

Construction - Pipelines

23. The licensee must, prior to constructing components of the development on or adjacent to highway and road rights-of-way, obtain all necessary approvals from Manitoba Transportation and Infrastructure.
24. The licensee must not release chlorinated water from pipeline testing and startup activities associated with the development to a surface water body until total residual chlorine concentrations are equal to or less than 0.02 milligrams per litre. Releases of chlorinated water at higher concentrations may be made to vegetated land or dry waterways, provided that total residual chlorine concentrations have decayed to 0.02 milligrams per litre or less before the released water reaches any water body.
25. The licensee must construct waterway crossings on flowing waterways by augering, tunneling or boring. Open cut crossings on flowing waterways must not be made unless prior consultation with Manitoba Environment and Climate Change and the Department of Fisheries and Oceans staff has occurred and the prior written approval of the director has been obtained. Dry or non-flowing (i.e. hydraulically unconnected to downstream flowing water) natural and artificial waterways may be crossed with open cut techniques where approval has been obtained where necessary from the authority responsible for the channel.
26. The licensee must, where conditions allow, excavate endpoints for directional drilling operations a minimum of 30 m from the high water mark of third and higher order waterways, and a minimum of 15 m from the high water mark of first and second order waterways.
27. The licensee must construct open cut stream crossings associated with the development in accordance with the methodologies described in the November, 2012 publication “Pipeline Associated Watercourse Crossings 4th Edition”, published by the Canadian Pipeline Water Crossing Committee, and the May, 1996 publication “Manitoba Stream Crossing Guidelines for the Protection of Fish and Fish Habitat”, published by the Department of Fisheries and Oceans and Manitoba Natural Resources.
28. The licensee must, where open cut stream crossing techniques are used on intermittent waterways and artificial drainage channels:
 - a) not construct open cut crossings associated with the development between March 15 and June 15 of any year; and
 - b) minimize disturbance to riparian areas and restore the bottom and banks of the waterways to their original elevations and shapes.

29. The licensee must not alter local drainage patterns by the construction of the development.
30. The licensee shall separate and replace topsoil from backhoe and trenching operations associated with the development following the methodology described in Schedules B, C, and D of this licence. This requirement is not applicable where the topsoil has been previously disturbed due to the construction of roads or drains.

Operation

31. The licensee must operate the development with respect to the volume and rate of water diverted in accordance with a Water Rights Licence issued under The Water Rights Act.
32. The licensee must develop, maintain, and implement a wellhead protection plan for the wells of the development that addresses disruption and contamination due to natural disasters, spills of contaminants and vandalism.

Monitoring and Reporting

33. The licensee must, unless otherwise specified in this licence:
 - a) carry out all preservations and analyses on liquid samples following the methods prescribed in the most current edition of Standard Methods for the Examination of Water and Wastewater or following equivalent preservation and analytical methodologies approved by the director;
 - b) carry out all sampling of, and preservation and analyses on, soil, compost, and air samples following methodologies approved by the director;
 - c) have all analytical determinations undertaken by an accredited laboratory; and
 - d) report the results to the director, in an electronic format acceptable to the director, within 60 days of the samples being taken.
34. The licensee must, within 12 months from the date of issuance of this licence, develop and implement a groundwater level monitoring program for the development. The program must address monitoring well locations, monitoring frequency and equipment to be used in monitoring. The monitoring report must be made available to the environment officer upon request.

REVIEW AND REVOCATION

- A. If, in the opinion of the director:
 - a) The licensee 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; or
 - b) For purposes of effective environmental management, a change in the specifications, limits, terms, or conditions of this licence is necessary, the director may amend the licence accordingly and thereafter the licensee shall comply with the licence as amended.

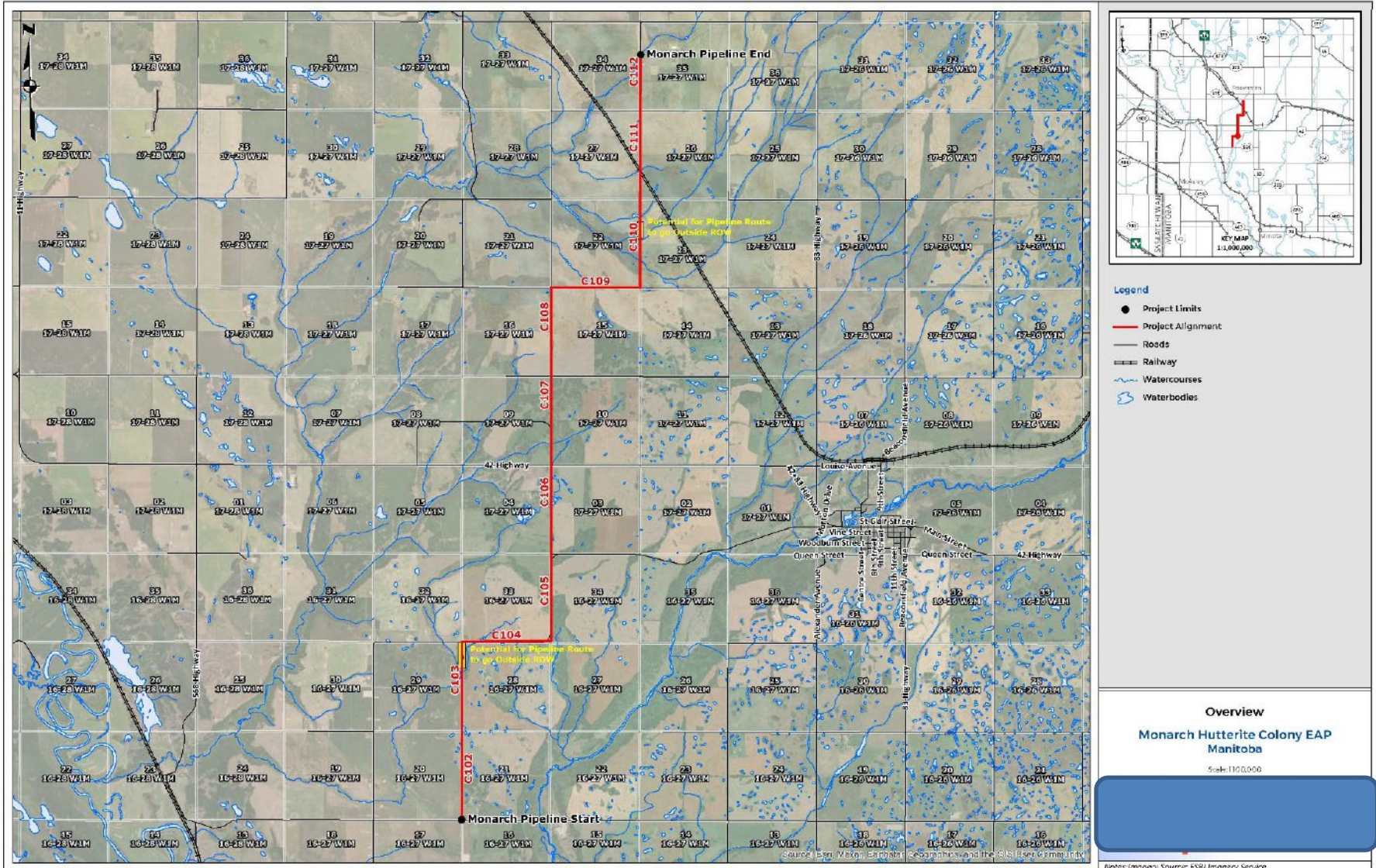
- B. If the licensee has not commenced construction of the development within three years of the date of this licence, the licence is revoked.

- 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 under Section 11 of The Environment Act or request the filing of a Notice of Alteration.

Original Signed By
Agnes Wittmann
Director
The Environment Act

Schedule A to Environment Act Licence No. 3417

The Monarch Colony water supply system layout following clause 7 of the licence



- Legend**
- Project Limits
 - Project Alignment
 - Roads
 - Railway
 - Watercourses
 - Waterbodies

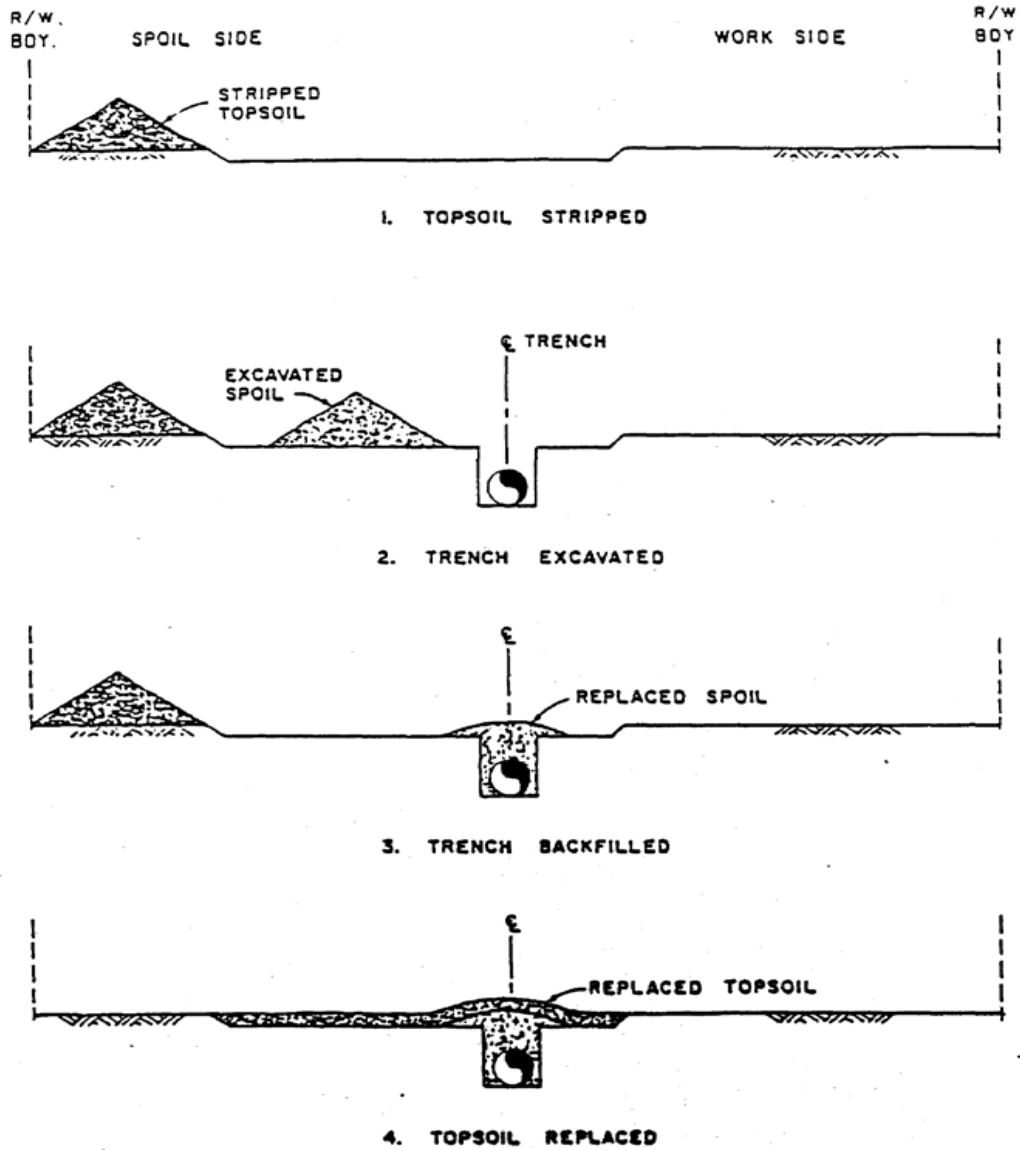
Overview
Monarch Hutterite Colony EAP
Manitoba

Scale: 1:100,000

Notes: Imagery Source: Esri Imagery Service

Schedule B to Environment Act Licence No. 3417

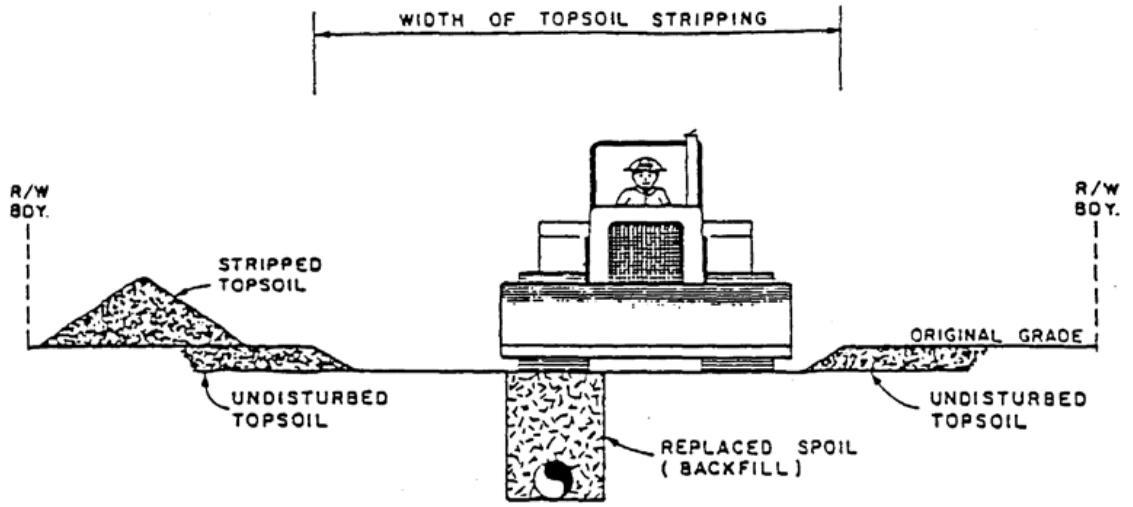
Topsoil handling following clause 30 of the licence



SEQUENCE OF TOPSOIL HANDLING

Schedule C to Environment Act Licence No. 3417

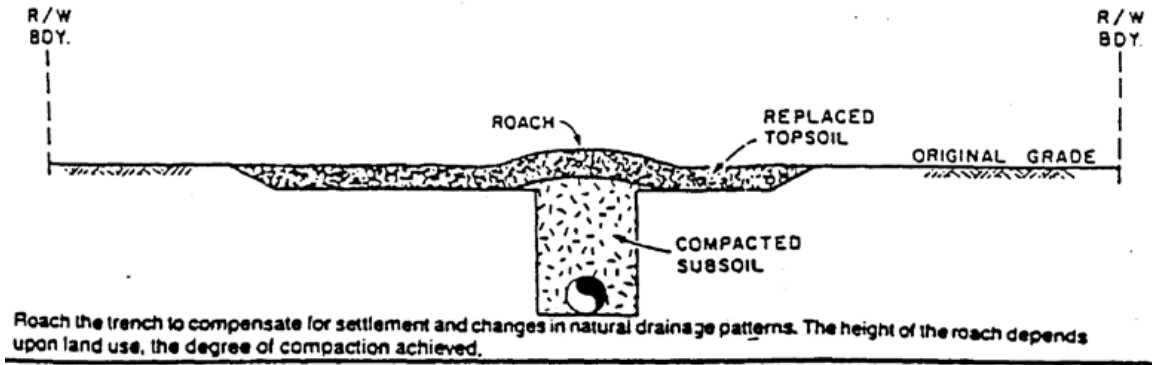
Topsoil compaction following clause 30 of the licence



COMPACTION OF BACKFILL

Schedule D to Environment Act Licence No. 3417

Trench roaching following clause 30 of the licence



ROACHING THE TRENCH