

2/97 R*

REAU

NORTHWEST TERRITORIES WATER BOARD
Work Sheet for Water Use Applications
Northern Inland Waters Act

APPLICANT: GIANT YK MINES LTD.
DATE APPLICATION RECEIVED: MAR 31/76

W.M. Area: 1
File No.: N1A6-0396

Material Received:

Letter ☒
Application ☒
Drawings ☒
Reports ☐

Application Fee: 10.00
Fee Acknowledgement Date:

APR 2, 1976

Reference Map No: 85 J

Diary ☒
Plotted ☒

General Description:

Name of undertaking: CULVERT - SPRING RUN-OFF CREEK - ROAD TO OPEN PIT AREA A2
(+ MAINTENANCE) " "

Water source:

Co-ordinates of source:

Latitude _____ Longitude _____

Co-ordinates of project:

Latitude 62° 29' 19" Longitude 114° 22' 08"

Water Use: 6 - Water Engineering

Period of Usage:

From JUNE 17/76 To JUNE 16, 2001

Rate of Usage: N/A

Land Use Permit No. N/A Commences: _____ Expires _____

AUTHORIZATION WITHOUT LICENCE ☒ Date Sent: JUNE 17, 1976

LICENCE REQUIRED: _____

COMMENTS: RM 5. (for RM 19)

Disturb: LAND USE (not disturbed - see land)

ROLLEFSON (reused plans May 20)

NWOT HOTS (reused plans May 20)

Review Engineer

Date of Filing APRIL 2, 1976 Date to Water Use Register APRIL 2, 1976

Date to Water Board _____ Date of Public Notice _____

Date of Public Hearing _____ Date of Licence Issue _____

Date Water Use Fees Received, _____

Receipt sent: _____

LICENCE NO: _____

Tel 2534



CLOSED VOLUME VOLUME COMPLET

DATED FROM
À COMPTER DU

3/76

TO
JUSQU'AU

1/77

AFFIX TO TOP OF FILE - À METTRE SUR LE DOSSIER

DO NOT ADD ANY MORE PAPERS - NE PAS AJOUTER DE DOCUMENTS

FOR SUBSEQUENT CORRESPONDENCE SEE - POUR CORRESPONDANCE ULTÉRIEURE VOIR

FILE NO. - DOSSIER N°

N9545 - N146 - 0396

VOLUME

N1A6-0396

January 19, 1977

Highways Division
Department of Public Works
Government of Northwest Territories
Yellowknife, Northwest Territories

Attention: Mr. G. Haist

Dear Sir:

Re: Culvert Installation - Access Road to A-2 Open Pit
Giant Mine

Attached please find the as-constructed drawings for the above mentioned culvert installation, as requested. The culvert diameter is 48" as noted.

Yours truly,



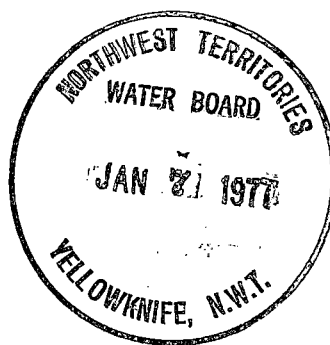
A. T. Swarbrick
Supervisor
Licencing & Approvals

BD:sh

Encl.

Yellowknife, Northwest Territories
Canada X0E 1H0
Telex 034-4-5514
Phone 403/873-6301

Giant
YELLOWKNIFE MINES LIMITED



January 6, 1977.

Northwest Territories Water Board,
Licencing and Approvals,
P.O. Box 1500,
YELLOWKNIFE, Northwest Territories.

ATTENTION: Mr. A.T. Swarbrick

Dear Sir:

RE: Water Authorization # N1A6-0396
Culvert Installation - Access Road to A-2 Open Pit

Attached is a drawing in duplicate of the culvert crossing
as installed at the above location.

Sorry for the delay.

Yours truly,
GIANT YELLOWKNIFE MINES LIMITED

A handwritten signature in dark ink, appearing to read "Z. Kowal".

Z. Kowal
Planning Engineer

ZK:jc
Att.

Send copy of the as-constructed drawings to G. Haist

N1A6-0396

December 8, 1976

Giant Yellowknife Mines Limited
Yellowknife
Northwest Territories

Attention: G. Aaltonen, Mine Superintendent

Dear Sir:

Re: Water Authorization #N1A6-0396
Culvert Installation - Access Road to the A-2 Open Pit Area
Giant Yellowknife Mines

We have not yet received the as-constructed drawings of the culvert crossing at the above location as required by Condition #7 of your Water Authorization N1A6-0396.

Would you please submit these drawings as soon as possible.

Yours truly,



A. T. Swarbrick
Supervisor
Licencing & Approvals

BD:sh

NLA6-0396

June 17, 1976

REGISTERED

Giant Yellowknife Mines Limited
Yellowknife, N.W.T.

Attention: G. Aaltonen, Mine Superintendent

Dear Sirs:

Authorization to Use Water Without a Licence Culvert Installation
and Maintenance - Access Road to the A-2 Open Pit Area, Giant
Yellowknife Mines

Enclosed is your Authorization to Use Water Without a Licence
for the installation and maintenance of a 48 inch diameter
culvert to handle water flow from an un-named creek under the
proposed road to the A-2 Open Pit area at Giant Mine. Please
note the terms and conditions which form a part of this
Authorization.

Note that the authorization is for a period of 25 years to
cover both installation and maintenance of this culvert.

If you have any questions, please call B. Doulton or A. Swarbrick
at 873-4421.

Yours sincerely,
ORIGINAL SIGNED BY
A. G. REDSHAW
Supervisor
Licencing & Approvals

BD:fs

C.C. J. R. Bentley Chief, Highways Division, DPM
Government of NWT, Yellowknife

NORTHWEST TERRITORIES WATER BOARD

AUTHORIZATION TO USE WATER

WITHOUT A LICENCE

issued in accordance with
the
Northern Inland Waters Act
Giant Yellowknife Mines Limited
of
Yellowknife, Northwest Territories

Having filed the necessary application and having complied with all the provisions of the Northern Inland Waters Act and Regulations relating to applications for use of water, is hereby authorized under Section 26 (g) of the Northern Inland Waters Act and Section 11 of the Northern Inland Waters Regulations, to alter or divert the flow or storage of water or otherwise use water as follows: at an unnamed creek located at approximately latitude 62°29'19"N and longitude 114°22'08"W crossing the proposed road to the A2 Open Pit area, Giant Mine, Yellowknife.

FROM: June 17, 1976

TO: June 16, 2001

AT A RATE OF: N/A

FOR THE PURPOSE OF: Installation and maintenance of a 48" diameter culvert.

In compliance with the Northern Inland Waters Act and Regulations and subject to the conditions on the attached schedule.

Issued and Recorded at Yellowknife, N.W.T.

this 17 day of June, 19 76

Arthur G. Redel

Controller of Water Rights

Area No: 1
Classification: River Engineering
Water Register No: N1A6-0396

Water Register No: N1A6-0396

GIANT YELLOWKNIFE MINES LIMITED

Culvert Installation - Road to A2 Open Pit Area

AUTHORIZATION TO USE WATER WITHOUT A LICENCE

Terms and Conditions

1. The Licensee shall construct all stream crossings in accordance with the plans and specifications submitted to the Controller dated May 17, 1976.
2. The Licensee shall submit to the Controller all design alterations from those specified in Condition 1 and the Licensee shall receive a letter of approval from the Controller prior to any alterations being made.
3. The Licensee shall construct and maintain all stream crossings so as to minimize environmental disturbance to the bed, channel and banks of the streams.
4. The Licensee shall construct and maintain all stream crossings in such a manner as to meet requirements pertaining to the passage of fish.
5. The Licensee shall construct and maintain all stream crossings to the satisfaction of the Controller.
6. The Licensee shall notify the Controller by the fastest means possible should failure of a crossing occur and a report shall be submitted to the Controller outlining the reasons for the failure and remedial measures to be taken.
7. The Licensee shall submit to the Controller as-built construction drawings of all stream crossings within three (3) months of completion of the construction.
8. The Licensee shall submit to the Controller at least six (6) months prior to the expiration date of this Authorization or renewals thereof, detailed plans for abandonment and restoration of all stream crossings. The Licensee shall receive a letter of approval from the Controller prior to the start of any such work.

Dated at Yellowknife, N.W.T.

this 17 day of June, 1976


Controller

J.R. BENTLEY Chief Highways Div,
DPW, Govt of NWT.

FROM G. Menno	DEPT. OF ORIGINATOR Water Mgt, NNA+EB	DATE MAY 20, 1976	100109
SUBJECT Grant YK Mimos Revised Culvert Plans		RE: N1A6-0396	
<p>Attached please find revised culvert plans submitted by Grant Y.K. mimos for the road to their open pit area # A2.</p> <p>We would appreciate any further comments you may have on this application. If you have any questions please contact Mr. A. Swarbrick at 873-4421 EXT 245.</p> <p>G. Menno for Supervisor, Licensing & Approvals.</p>			
REPLY			
SIGNATURE		DEPARTMENT	DATE OF REPLY 000011

TELEX 034-4-5514

GIANT YELLOWKNIFE MINES LIMITED
YELLOWKNIFE, N.W.T.
XOE 1HO
CANADA

May 17, 1976.

N. W. T. Water Board,
P.O. Box 1500,
YELLOWKNIFE, N.W.T.

Attention: Mr. A. Swarbrick

Dear Mr. Swarbrick:

Re: Application to use Water - Spring Run-off Creek,
Access Road to A-2 Open Pit Area

Enclosed, please find revised design of 48" culvert for access road to A-2 Open Pit area as requested in your letter of May 6, 1976.

We hope that the revised design of the culvert is satisfactory, and hereby request permission to build this road and install culvert as per attached drawing.

Yours truly,
GIANT YELLOWKNIFE MINES LIMITED.



G. A. Aaltonen,
Mine Superintendent.

GAA*mb

Enclosure

N1A6-0396

May 6, 1976

Giant Yellowknife Mines Limited
Yellowknife, N.W.T.

Attention: G. Aaltonen, Mine Superintendent

Dear Sir:

Re: Application to Use Water - Spring Runoff Creek,
Road to A2 open pit area

Please be advised that the existing culvert is in fact 48 inches in diameter and not 36 inches as noted in your application. We, therefore, require that the culvert under the proposed road be also 48 inches in diameter. Your application for Authorization To Use Water Without a Licence will be amended accordingly upon receipt of your acknowledgement of the above.

Yours truly,

a

Supervisor,
Licencing & Approvals

B.D. BD:fs



GOVERNMENT OF THE NORTHWEST TERRITORIES
CANADA

PLEASE QUOTE

FILE 30-712-000

Yellowknife, N.W.T.
XOE 1HO
29th April 1976



Supervisor
Licencing and Approvals
Northwest Territories Water Board
P.O. Box 1500
Yellowknife, N.W.T.

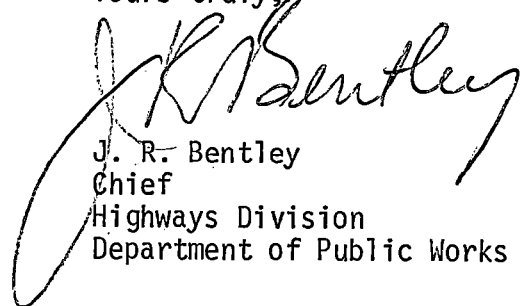
Dear Sir:

WATER APPLICATION N1A6-0396

In reply to your request for comments on the application by Giant Yellowknife Mines to install a 36" Diameter Culvert in conjunction with the construction of their proposed road, please be advised that we require a 48" Diameter Culvert to be installed. Our information shows that a 48" Diameter Culvert is presently installed through the existing road at this location.

↙ verified by B. Daulton May 4, 1976

Yours truly,


J. R. Bentley
Chief
Highways Division
Department of Public Works

NLA6 - 0396

April 23, 1976

Giant Yellowknife Mines Limited
Yellowknife, N.W.T.

Attention: G. Aaltonen, Mine Superintendent

Dear Sir:

Re: Application to Use Water - Spring Runoff Creek,
Road to A2 open pit area

Further to you telephone conversation with Mr. Swarbrick could you please inform us of your decision as to the design of the proposed culvert.

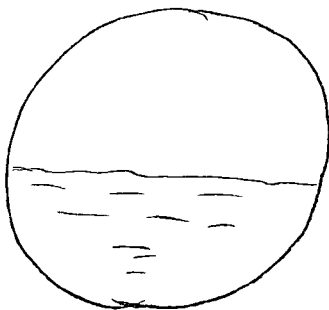
Yours truly,

a

Supervisor
Licencing & Approvals

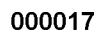
ATS:fs

Appear to be
spring run-off stream



Apr 22/76

- Existing culvert flowing
about $\frac{1}{2}$ full.
- Substantial linear velocity



TO - À
R. ROSEFSON (8th)
1473. OFCR.
FILE NO. - DOSSIER N°
DATE
Apr 5/76

FROM - DE
Office of the Controller
Northwest Territories Water Board
P.O. Box 1500

☐ PLEASE CALL / PRIÈRE D'APPELER
☐ WANTS TO SEE YOU / DÉSIRE VOUS VOIR
☐ WILL CALL AGAIN / DOIT RAPPELER
CALL RECEIVED BY / MESSAGE REÇU PAR
☐ ACTION / DONNER SUITE
☐ COMMENTS / COMMENTAIRES
☐ MAKE / FAIRE
COPIES
☐ APPROVAL / APPROBATION
☐ DRAFT REPLY / PROJET DE RÉPONSE
☐ SIGNATURE
☐ NOTE & RETURN / NOTER ET RETOURNER
☐ NOTE & FORWARD / NOTER ET FAIRE SUIVRE
☐ NOTE & FILE / NOTER ET CLASSER

Water Applc N1A6-0396
for your info + comments, please
(by Apr 19th)
E. Munro
for Supr. Sec + App.

TO - À
LAND USE (8th)
FILE NO. - DOSSIER N°
DATE
Apr 5/76

FROM - DE
Office of the Controller
Northwest Territories Water Board
P.O. Box 1500

☐ PLEASE CALL / PRIÈRE D'APPELER
☐ WANTS TO SEE YOU / DÉSIRE VOUS VOIR
☐ WILL CALL AGAIN / DOIT RAPPELER
CALL RECEIVED BY / MESSAGE REÇU PAR
☐ ACTION / DONNER SUITE
☐ COMMENTS / COMMENTAIRES
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COPIES
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☐ DRAFT REPLY / PROJET DE RÉPONSE
☐ SIGNATURE
☐ NOTE & RETURN / NOTER ET RETOURNER
☐ NOTE & FORWARD / NOTER ET FAIRE SUIVRE
☐ NOTE & FILE / NOTER ET CLASSER

Water Applc N1A6-0396
for your info + comments, please
(by Apr 19th)
E. Munro
for Supr. Sec + App.

TO - À
A WALLER,
NOT 1473. OFCR.
FILE NO. - DOSSIER N°
DATE
Apr 5/76
FROM - DE
Office of the Controller
Northwest Territories Water Board
P.O. Box 1500
Yellowknife, N.W.T. - NO DE TEL. - NOE 110
EXT. - POSTE
☐ PLEASE CALL / PRIÈRE D'APPELER
☐ WANTS TO SEE YOU / DÉSIRE VOUS VOIR
☐ WILL CALL AGAIN / DOIT RAPPELER
CALL RECEIVED BY / MESSAGE REÇU PAR
☐ ACTION / DONNER SUITE
☐ COMMENTS / COMMENTAIRES
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COPIES
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☐ SIGNATURE
☐ NOTE & RETURN / NOTER ET RETOURNER
☐ NOTE & FORWARD / NOTER ET FAIRE SUIVRE
☐ NOTE & FILE / NOTER ET CLASSER

Water Applc N1A6-0396
for your info + comments, please
(by Apr 19th)
E. Munro
for Supr. Sec + App.

April 2, 1976

Giant Yellowknife Mines Limited
Yellowknife, N.W.T.

Attention: G. Aaltonen, Mine Superintendent

Dear Sir:

Re: Application to Use Water - Spring Runoff Creek,
Road to A2 open pit area

This will acknowledge your application to use water at the above named Culvert Installation operation. Please find enclosed our official receipt for your application fee as well as further application forms for your future use.

If you have any questions, please contact Mr. A. Swarbrick at this office.

Yours truly,



Supervisor
Licencing & Approvals

EM:fs



Indian and Northern Affairs Affaires indiennes et du Nord

GENERAL RECEIPT

RÉCÉPISSÉ GÉNÉRAL

Document
Document divulgué en vertu

Branch
Direction

7-7-PE B 325370

Date

Nature and No. of Remittance — Forme et n° de la remise

Invoice No. — Facture n°

Location — Endroit

March 31/76 Cheque # 27952

Received the Sum of — Reçu la somme de

100 DOLLARS \$ 10.00

From — De

For — Pour

Grant YK Mines
Yellowknife
NWT

Application fee
for water use
J E Bennett

Authorized Officer — Fonctionnaire autorisé

000020

ACHED CHEQUE IS IN PAYMENT OF FOLLOWING ITEMS:

Document disclosed under the Access to Information Act
Document divulgué en vertu de la Loi sur l'accès à l'information

Permit to build Culvert on Road to "A2" Pit

10.00

000021

GIANT YELLOWKNIFE MINES LIMITED
YELLOWKNIFE, N.W.T.
XOE 1HO
CANADA

March 29, 1976.

N1A6-0396



Controller,
Water Management,
Department of Indian & Northern Affairs,
Box 1500,
YELLOWKNIFE, N.W.T.

Dear Sir:

We will be building a road this summer to our A2 Open Pit area, 1,100 feet south of the existing A1 Pit. This road will cross a spring run-off creek which we would like to culvert.

Enclosed please find the following:

- a) An area layout showing the general location
- b) A detailed layout of the culvert area
- c) A schedule II application for a Water Authorization

Upon investigation, we find that the existing 36" culvert, where the Highway crosses this creek, has easily handled the run-off water since the Highway was first built. We will therefore install the same size under our road.

Yours very truly,
GIANT YELLOWKNIFE MINES LIMITED.

A handwritten signature in dark ink, appearing to read "G. Aaltonen".

G. Aaltonen,
Mine Superintendent.

GA*mb

Enclosure.

SCHEDULE II

Department of Indian and Northern Affairs
WATER, FORESTS AND LAND DIVISION

APPLICATION FOR LICENCE, AMENDMENT OF LICENCE OR RENEWAL OF LICENCE

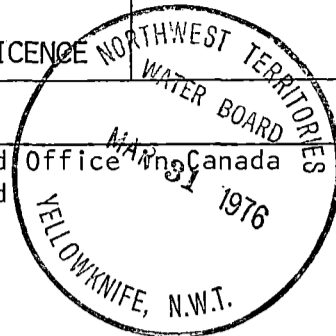
No:

NIA6-0396

NOTE: if insufficient space, attach sheets

1. Name & Mailing Address
Giant Yellowknife Mines Limited,
Yellowknife, N.W.T.

2. Address of Head Office in Canada
if incorporated



3. LOCATION OF UNDERTAKING - describe and attach map naming river, creek,
lake, spring or ground water reservoir

Un-named spring run-off creek as shown on enclosed layout.

4. NATURE OF UNDERTAKING - describe and attach plans

To install 60 feet of 36" culvert as per enclosed layout.

5. PURPOSE OF UNDERTAKING

- a) To obtain water ☐
b) To divert water ☐
c) To store water ☐
d) To alter the flow of water ☐
e) To return the flow of water ☐
f) Other (specify) Culvert ☒

6. WATER USE CLASSIFICATION

- a) Agriculture ☐
b) Conservation ☐
c) Industrial ☐
d) Municipal ☐
e) Power ☐
f) River Engineering ☒
g) Storage ☐
h) Recreation ☐

7. QUANTITY OF WATER INVOLVED -
(cubic feet per second, gallons
per day, acre feet per year)
Unknown - but has passed freely
through the 36" Highway culvert
for past 7 years.

8. QUALITY OF RETURNED WATER

- a) Unaltered
b) Altered (specify)

9. OTHER PROPERTIES AFFECTED BY THIS UNDERTAKING - describe location and
list owners

None

10. CONTRACTORS AND SUBCONTRACTORS

Names & Addresses

Functions

None

11. TIME SCHEDULE PROPOSED

Start:
Completion: 31 Aug., 1976

12. FEES

Application	Water Use	Total
\$ 10.00	\$	\$

Signature

G. Aaltonen,
Mine Superintendent
Title

March 30, 1976
Date

FOR OFFICE USE ONLY

APPLICATION FEE:

Amount 10.00

Receipt No. B 325370

Date MAR 31, 1976

WATER USE FEES:

Amount

Receipt No.

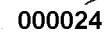
Date

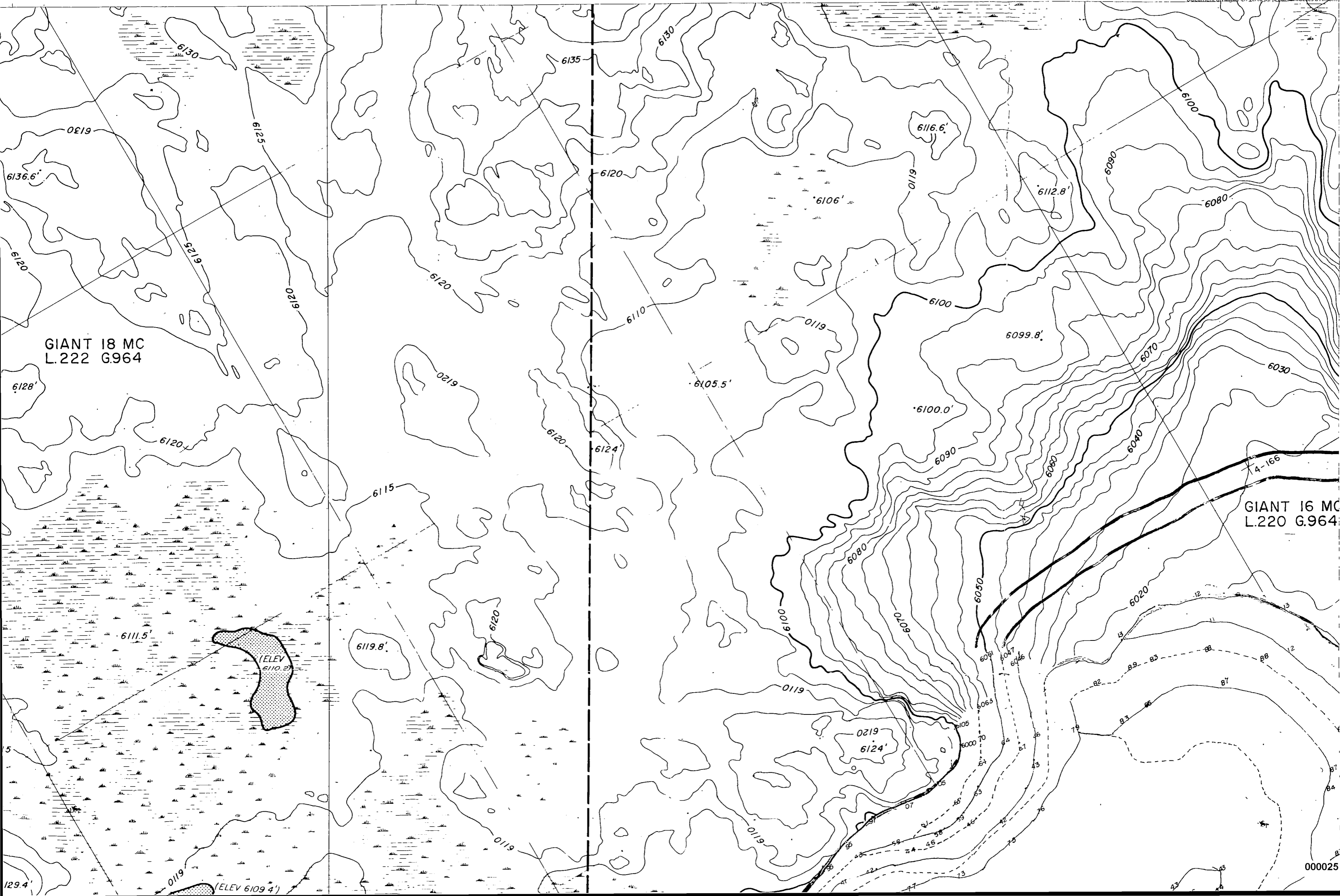
APPLICATION

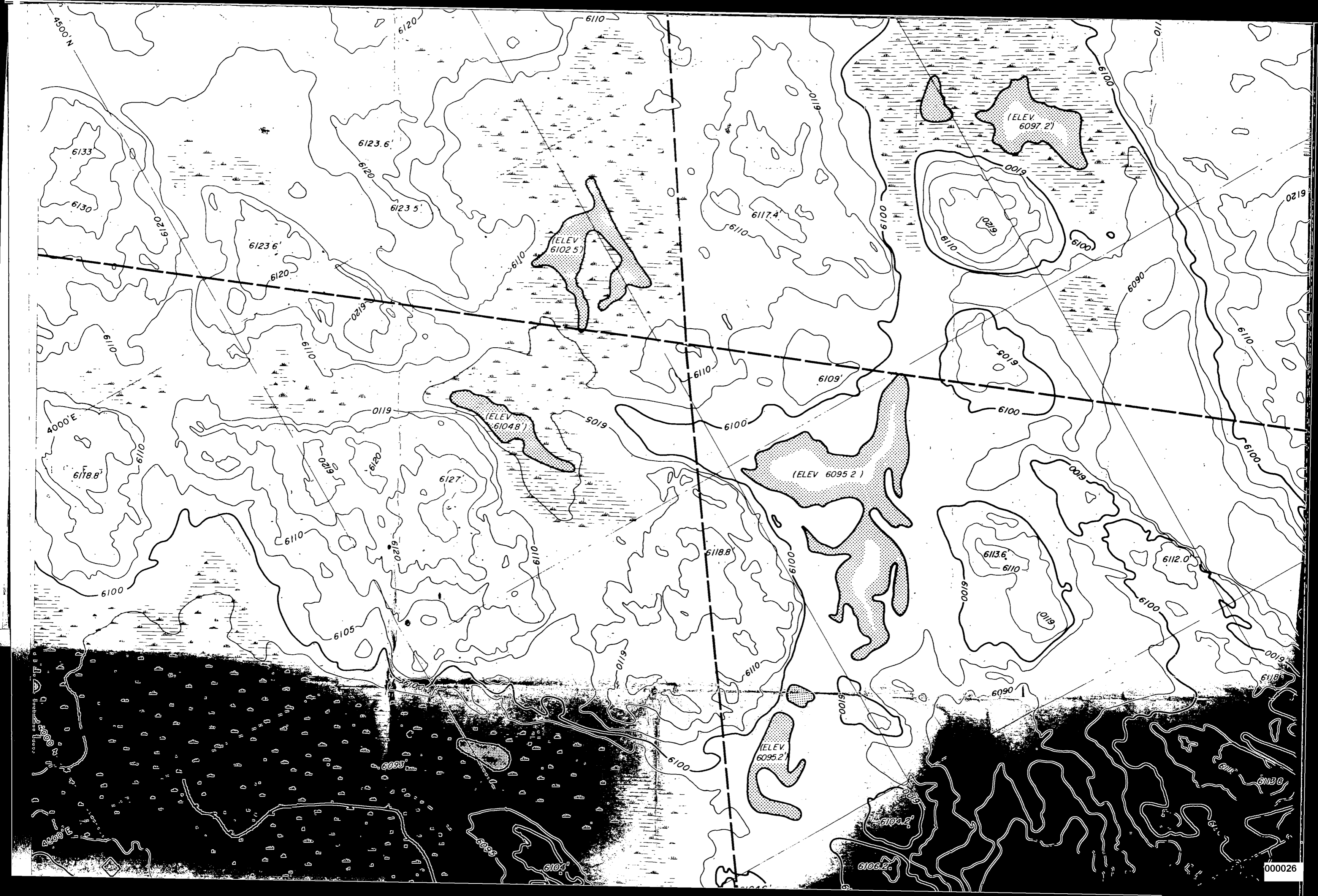
Approved by:

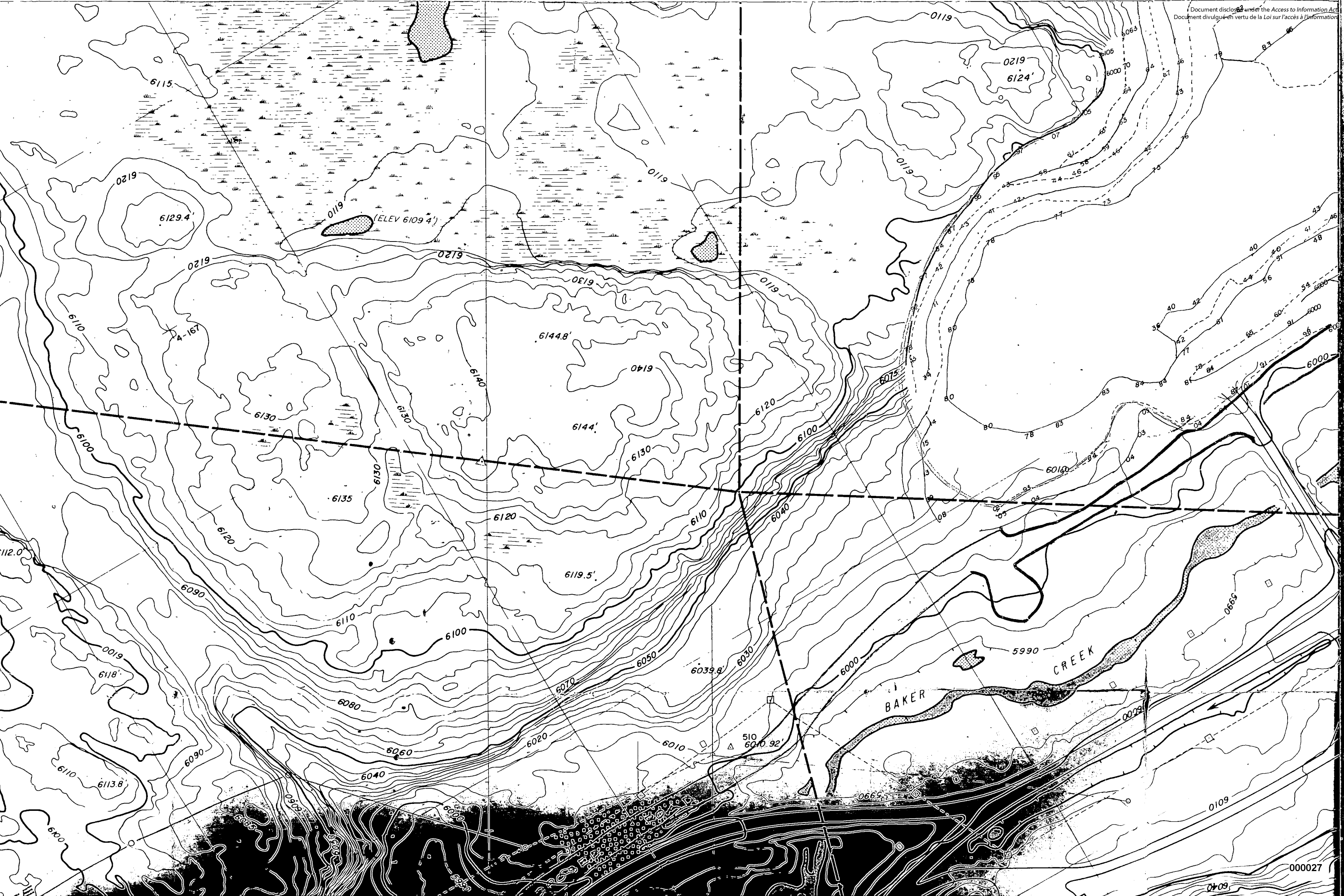
Apr 2 1976

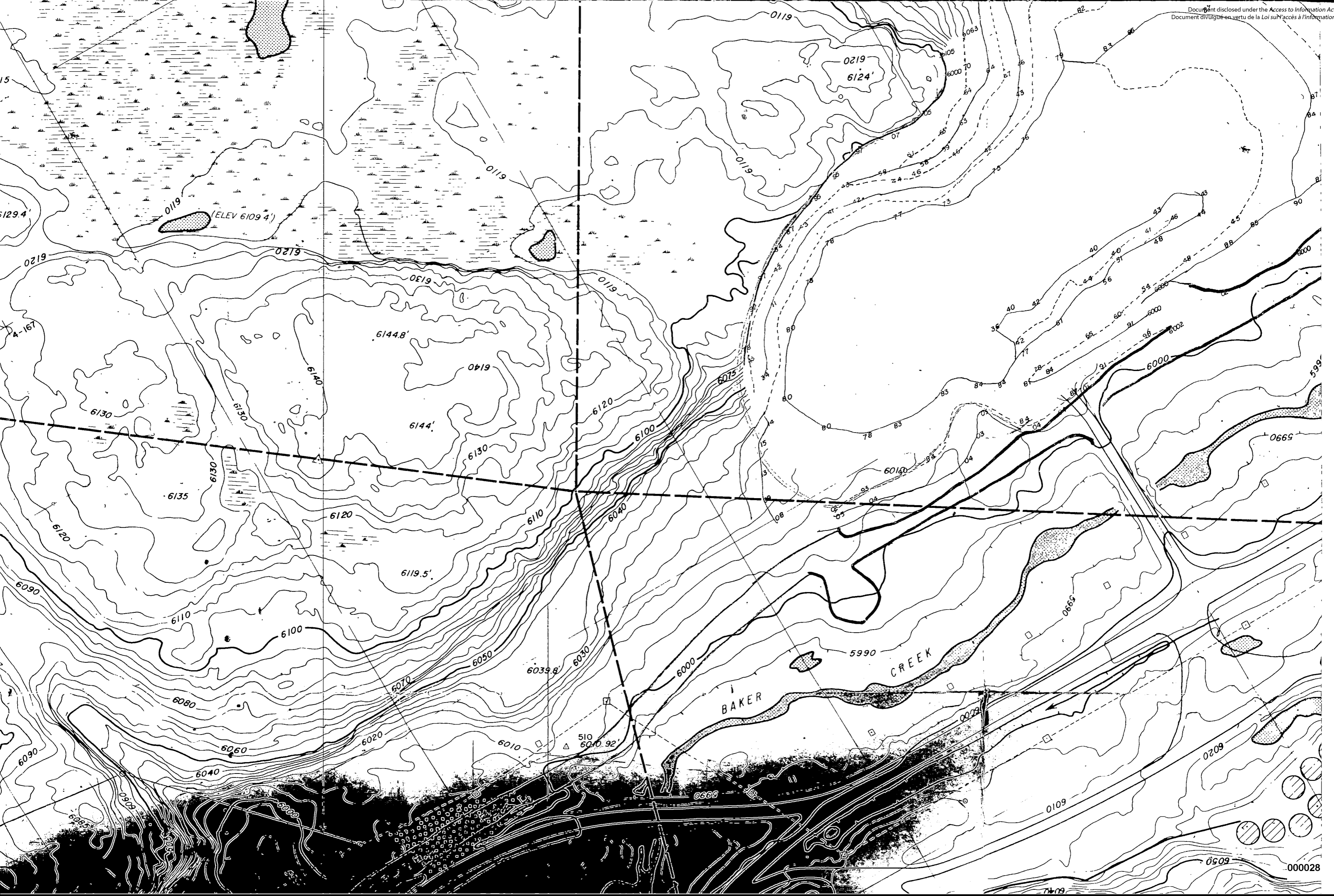
Filed in
Water Use
Register:
APR 2 1976

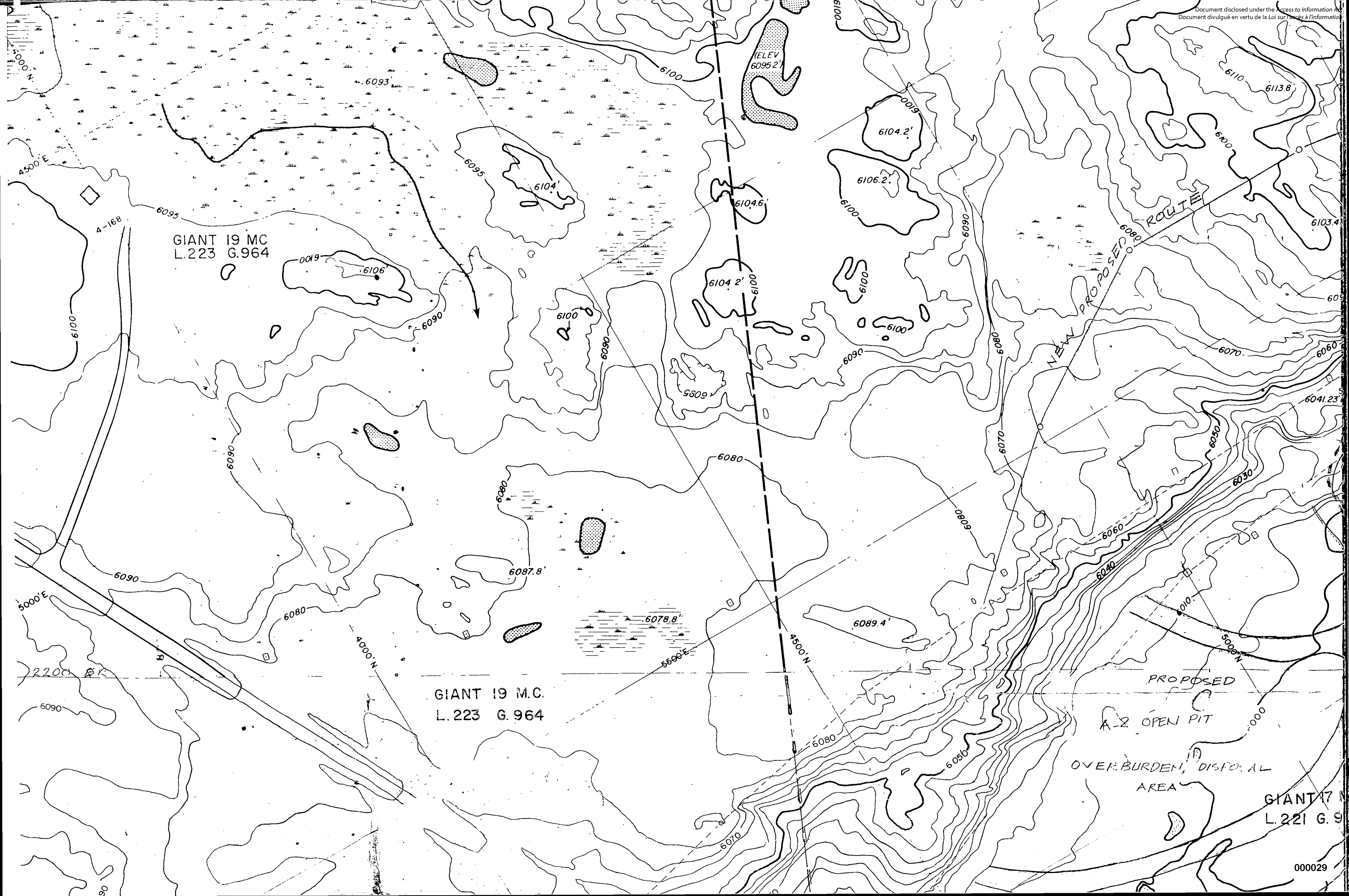




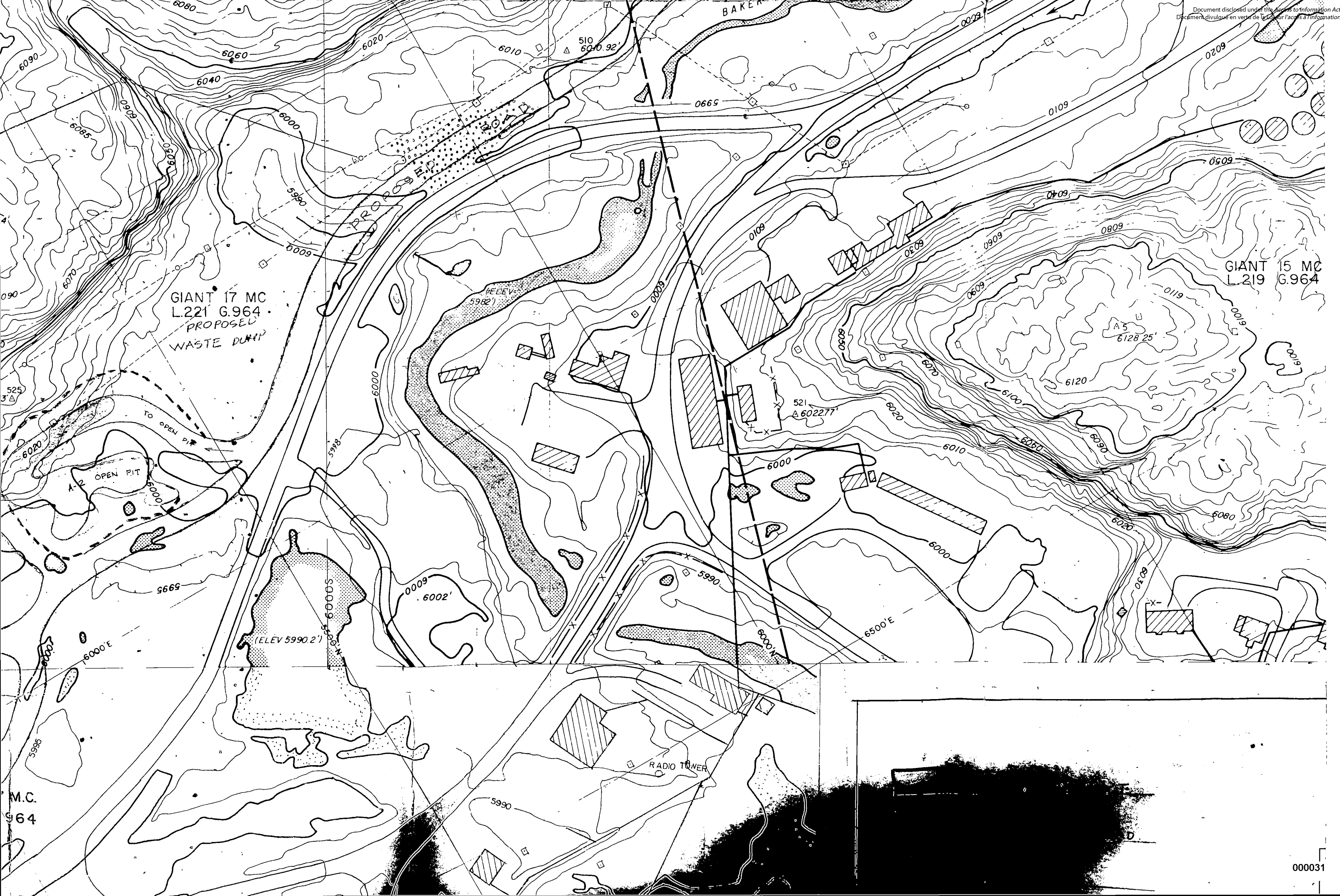


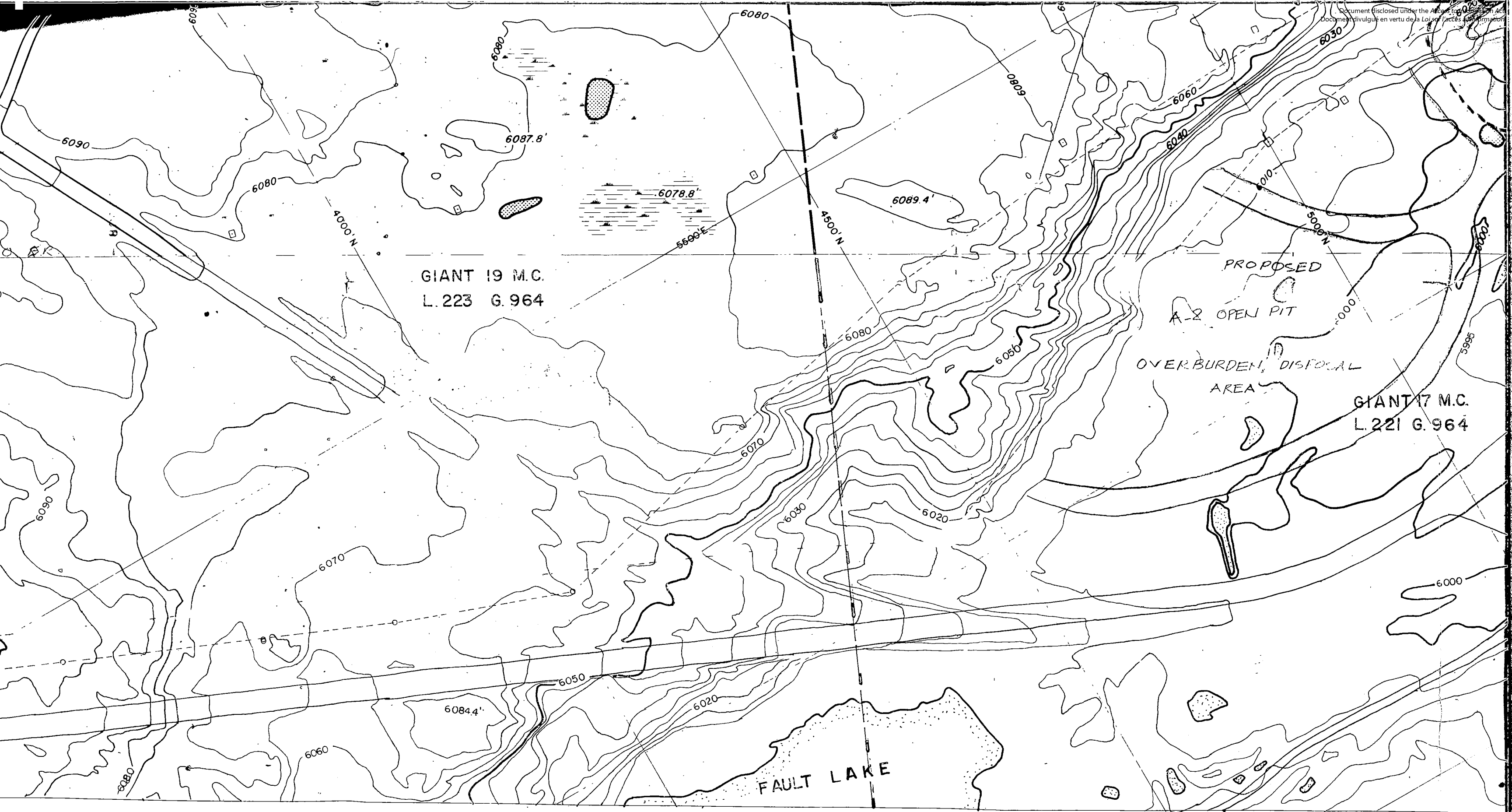






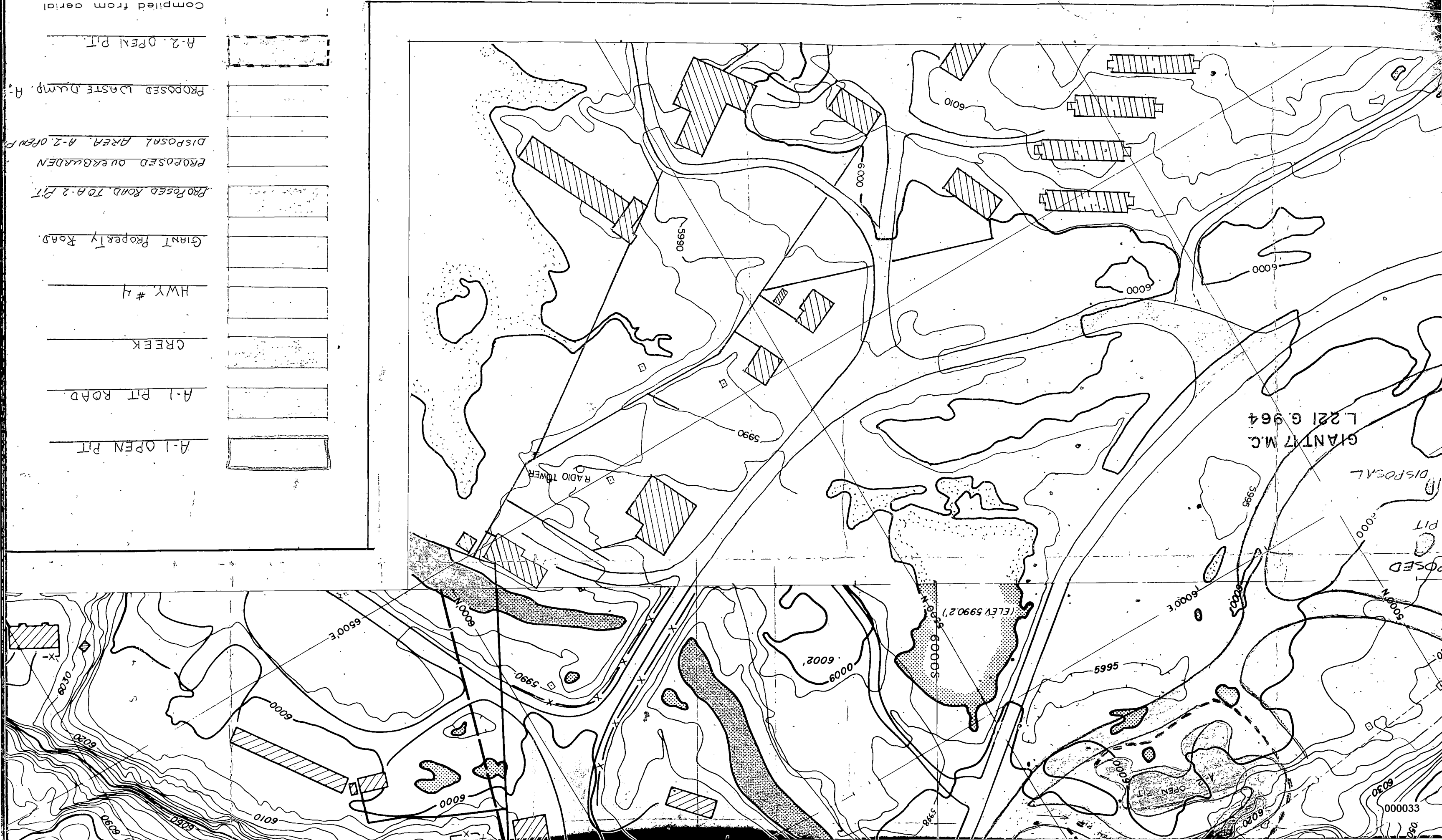






Compiled from aerial
photography flown May, 1964
by Range Aerial Survey, Ltd.
Ground control supplied by
Giant Yellowknife Mines Ltd.

A-1 OPEN PIT
A-1 PIT ROAD
CREEK
HWY. # 4
Giant Property Road
Proposed Road to A-2 Pit
Proposed Overburden
Disposal Area, A-2 Open Pit
Proposed Waste Dump, A-2
A-2 OPEN PIT





A-1 OPEN PIT

A-1 PIT ROAD

CREEK

HWY. #4

GIANT PROPERTY ROAD

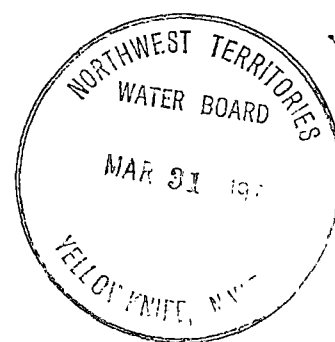
PROPOSED ROAD TO A-2 PIT

PROPOSED OVERBURDEN
DISPOSAL AREA, A-2 OPEN PIT

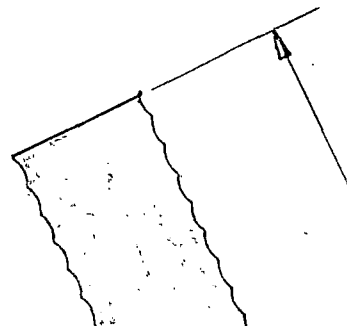
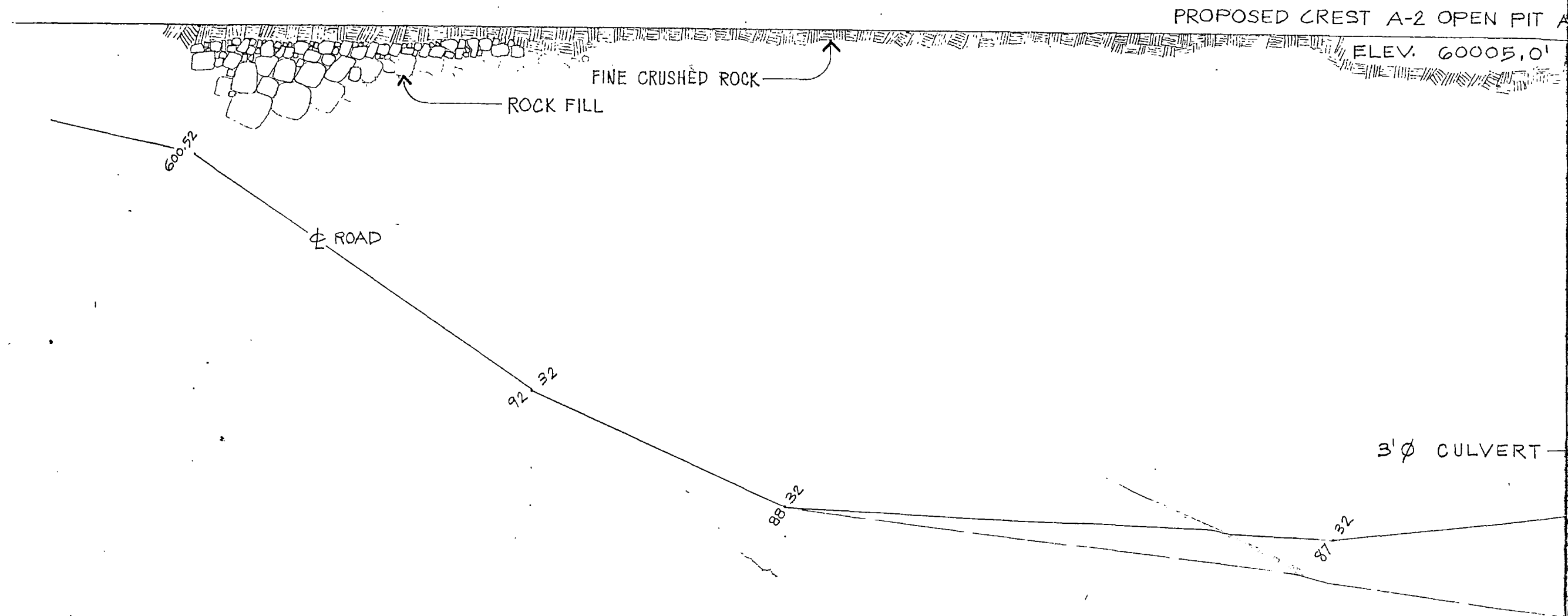
PROPOSED WASTE DUMP, A-2 PIT

A-2 OPEN PIT

Compiled from aerial
photography flown May, 1965
by Range Aerial Survey, Ltd.,
Ground control supplied by
Giant Yellowknife Mines Ltd.



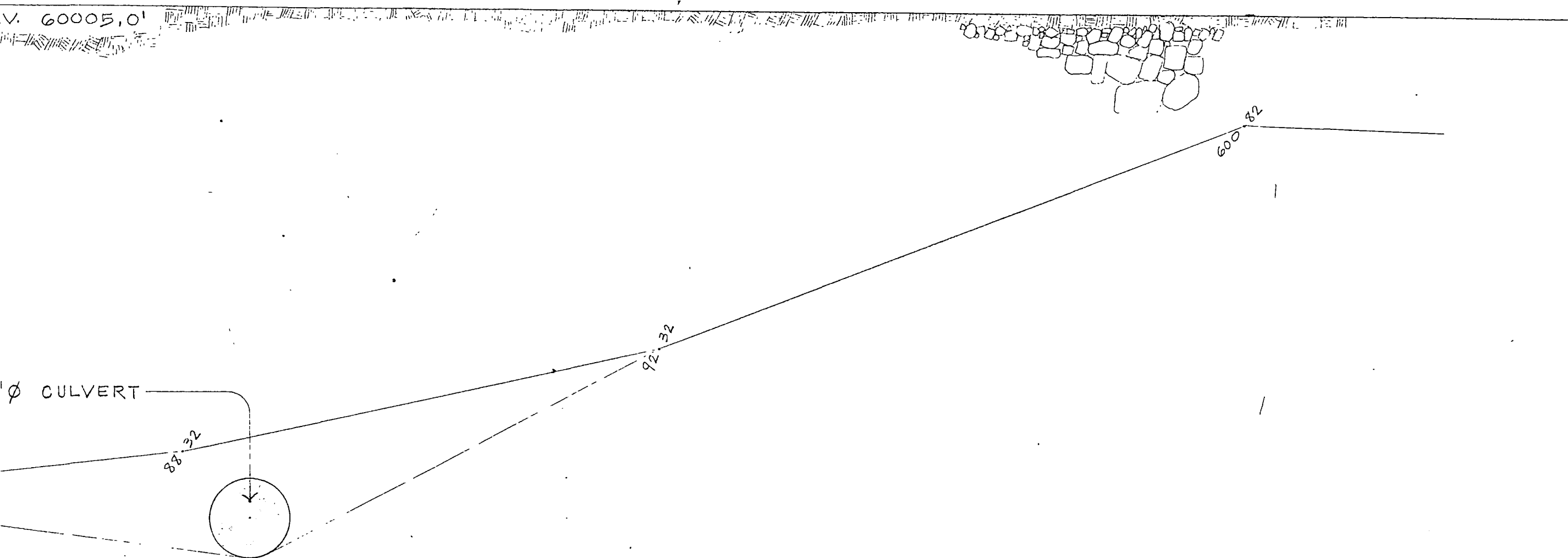
SECTION A-A ALONG ϕ OF PRO
SCALE

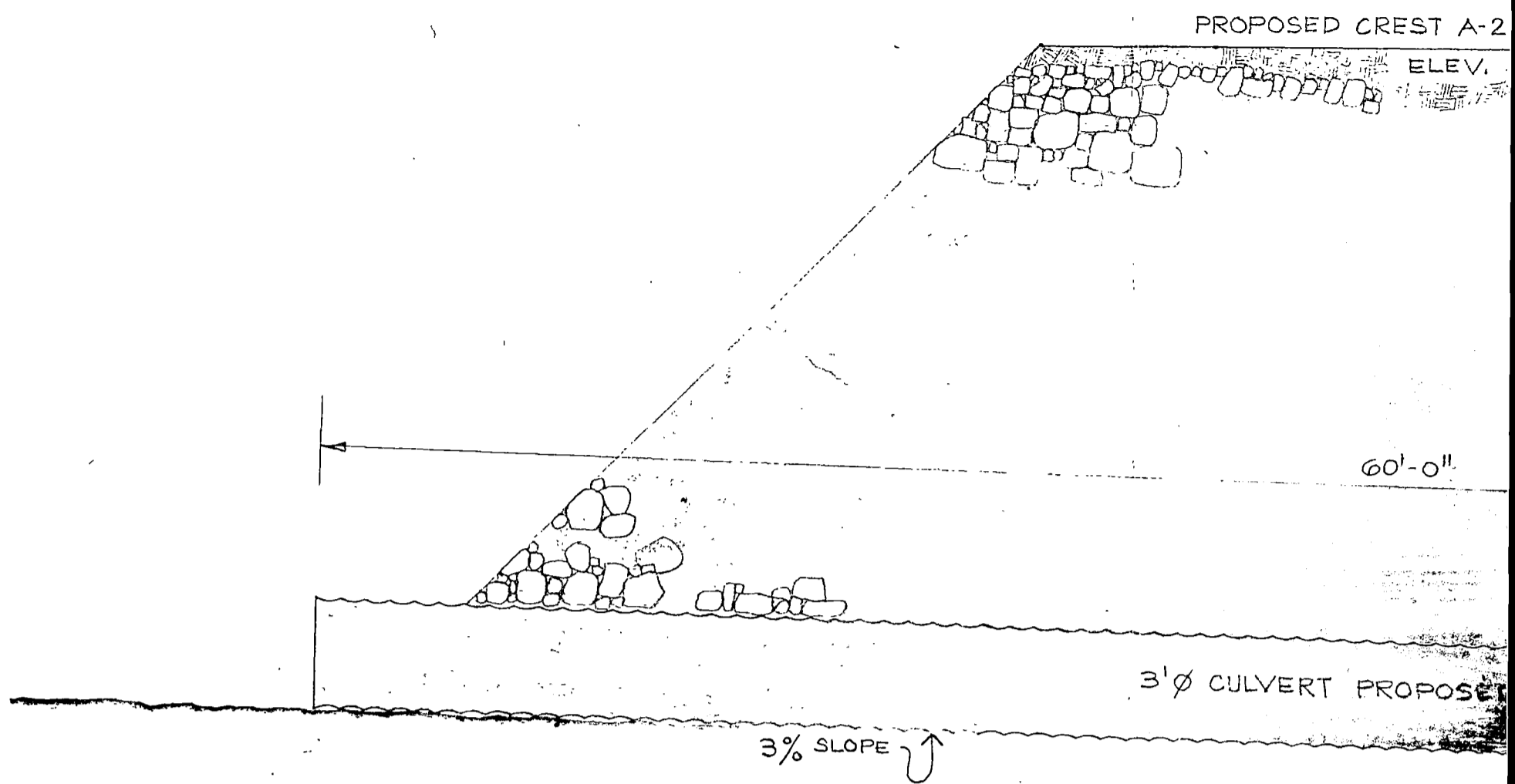


☐ OF PROPOSED ROAD
 $\frac{1}{4}'' = 1'$

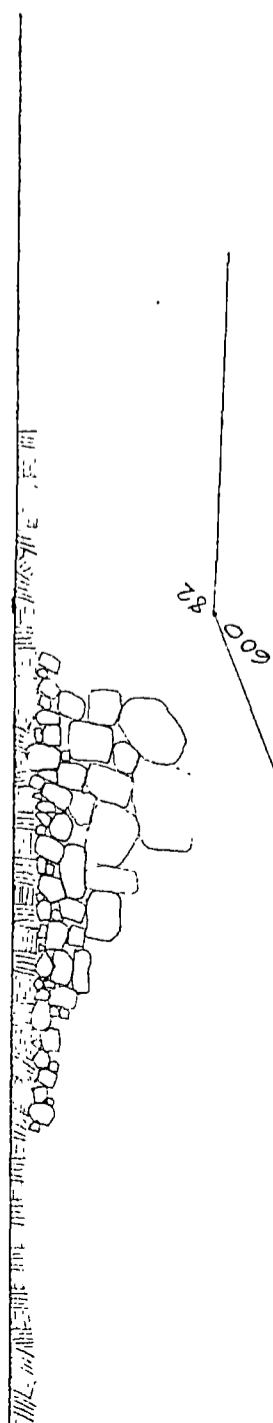
A-2 OPEN PIT ACCESS ROAD

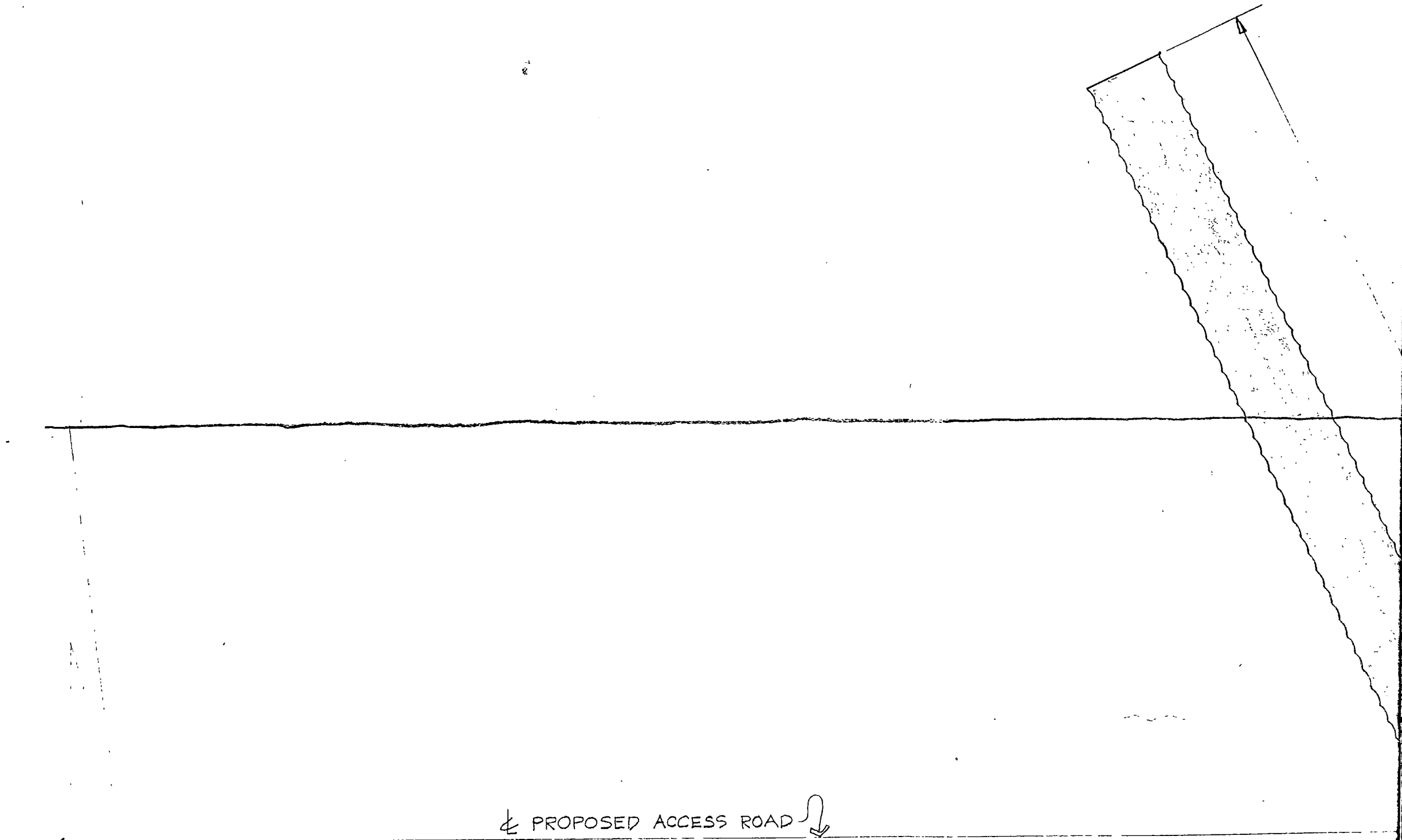
V. 60005.0'



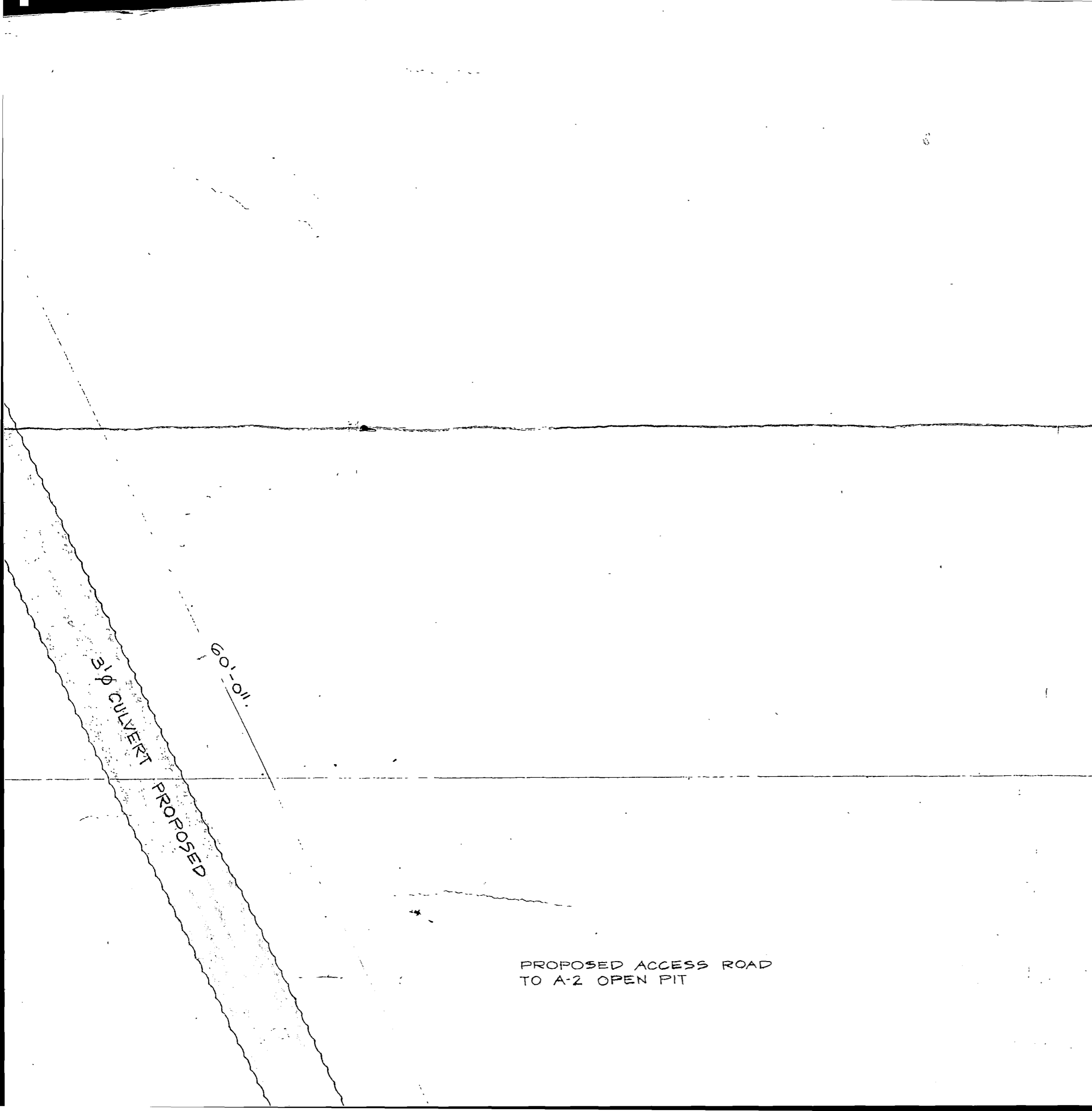


SECTION B-B
SCALE





SECTION B-B ACROSS ROAD
SCALE 1/4" = 1'



PROPOSED ACCESS ROAD
TO A-2 OPEN PIT

SITUATION - PROPOSED
000040

PROPOSED CREST A-2 OPEN PIT ACCESS ROAD

ELEV. 6005.0'

60'-0"

3' Ø CULVERT PROPOSED

EXISTING 2' CULVERT

3% SLOPE

SECTION B-B ACROSS ROAD
SCALE 1/4" = 1'

SITUATION - PROPOSED 2' CULVERT
ON OPEN PIT ACCESS ROAD

PLAN VIEW

SCALE $\frac{1}{4}'' = 1'$

⊕ EXISTING HIGHWAY ↓

PROPOSED ACCESS ROAD
TO A-2 OPEN PIT

EXISTING 3' CULVERT

ACCESS ROAD
ON PIT

