

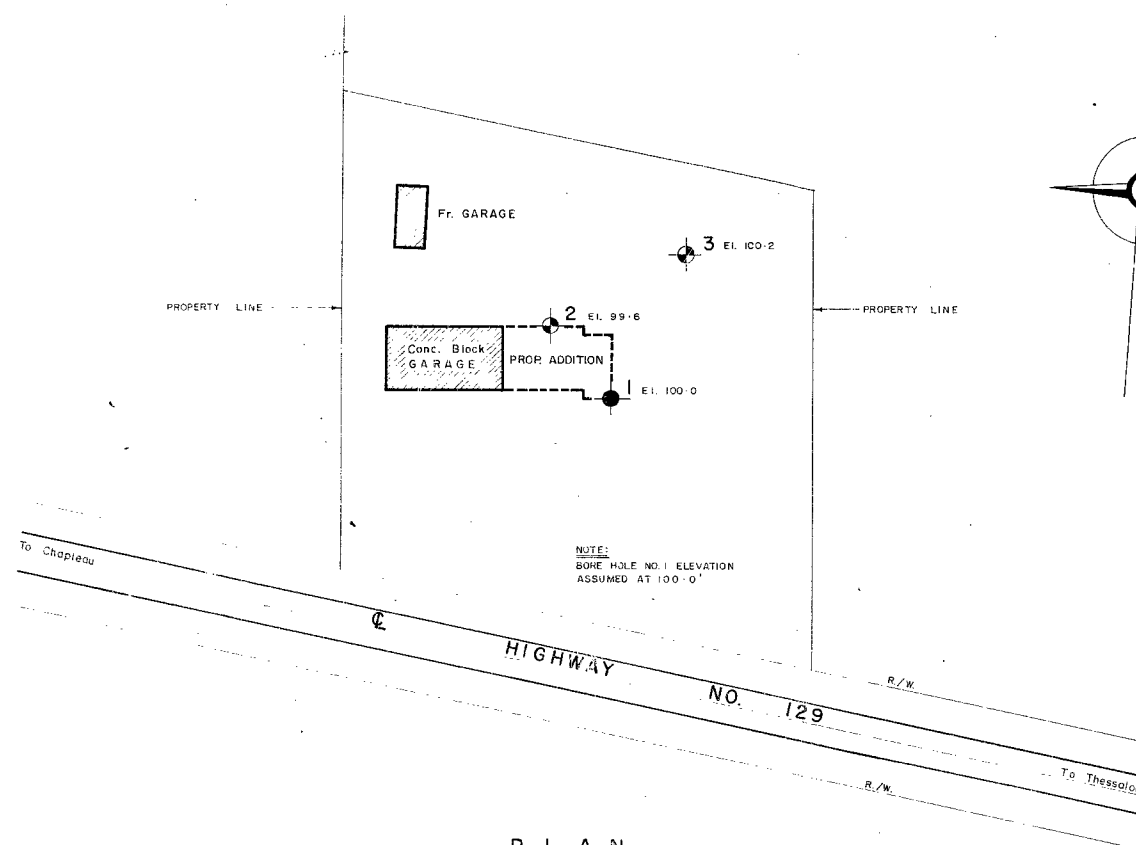
#63-F-88

Hwy. # 129

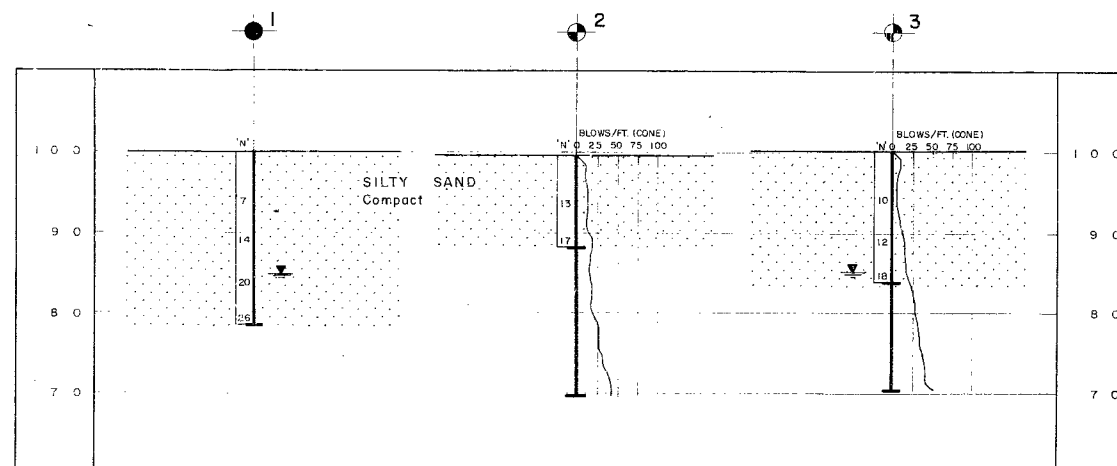
D.H.O. PATROL

YARD

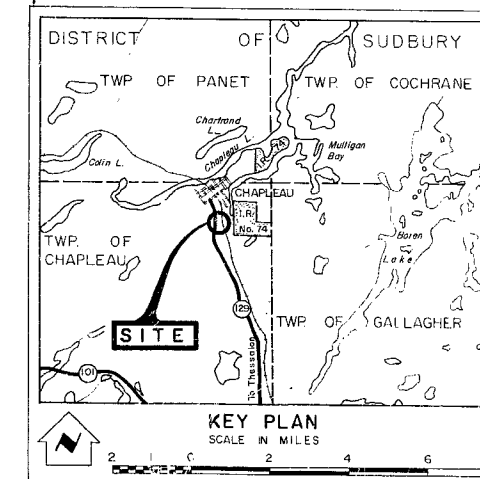
CHAPLEAU TWP.



PLAN  
SCALE IN FEET  
0 25 50 100



SUB-SOIL STRATIGRAPHY  
SCALE IN FEET  
0 5 10 20



#### LEGEND

- BORE HOLE
- ⊙ BORE & CONE PENETRATION HOLE
- ▽ WATER LEVELS (AUGUST 1963)

DEPARTMENT OF HIGHWAYS - ONTARIO MATERIALS & RESEARCH SECTION		
CHAPLEAU GARAGE		
ORIGINATED W. KULMATICAS	DISTRICT NO. 18	DATE 20 AUG. 1963
DRAWN D. MUMFORD	W.P. NO.	JOB NO. 63 - F - 88
CHECKED <i>[Signature]</i>	SCALE	DRAWING NO.
APPROVED <i>[Signature]</i>	AS SHOWN	63 - F - 88 A

REF. NO. P-3002-1

SOME DEFECTS IN NEGATIVE DUE  
TO CONDITION OF ORIGINAL DOCUMENTS

CANADIAN PACIFIC RAILWAY

N.E. CORNER  
BLOCK B

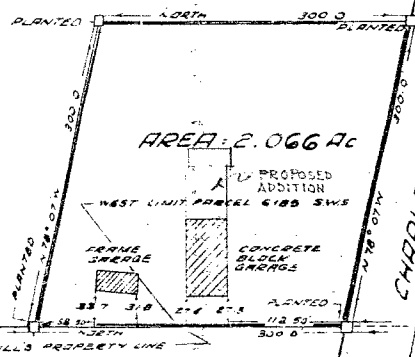
(2300) 86.825

LOCATIONS "A" AND "B"

LINE BETWEEN

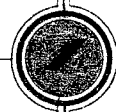
BLOCK A

BLOCK B



HIS MAJESTY THE KING AS  
REPRESENTED BY THE HONOURABLE  
THE SUPERINTENDENT GENERAL  
OF INDIAN AFFAIRS  
PARCEL 9186 SUDBURY WEST SECTION  
(ABSOLUTE TITLE)  
PART OF BLOCK B  
(PLAN 3887 INDIAN AFFAIRS SURVEY  
RECORDS)

No 3875  
A copy of this Plan has been deposited  
in the land Registry Office for the  
Sudbury Land Registry District of Sudbury.  
Ont. under number 267.  
See letter dated Nov 12, 1954. File 21891.



CHAPLEAU ROAD

3

LOT

# PLAN AND FIELD NOTES OF INDIAN LANDS

(DEPARTMENT OF CITIZENSHIP AND IMMIGRATION)

REQUIRED BY  
THE DEPARTMENT OF HIGHWAYS, ONTARIO  
BEING PART OF "LOCK B"  
THROUGH  
CHAPLEAU INDIAN RESERVE NO. 74 A  
TOWNSHIP OF  
**CHAPLEAU**  
DISTRICT OF SUDBURY

SCALE: ONE INCH = 100 FEET

## SURVEYOR'S CERTIFICATE

I hereby certify that this plan is correct

*J. A. Carmody*  
Ontario Land Surveyor

Department of Citizenship and Immigration  
Ottawa, 23<sup>rd</sup> April 1954

Re Section 43, Canada Lands Surveys Act

This survey and plan are satisfactory

*W. A. Martin*  
Deputy Minister

*J. A. Carmody* of the Town of Pembroke in the County of Renfrew  
Ontario Land Surveyor, make oath and say that I have in my own  
proper person, according to law and the instructions of the  
Surveyor General, Ottawa, faithfully and correctly executed the  
survey shown by the foregoing field notes and accompanying  
plan, and that said field notes and plan are correct and true  
to the best of my knowledge and belief.  
So help me God.

*J. A. Carmody*  
Ontario Land Surveyor

Sworn before me at Kingston  
this 24<sup>th</sup> day of August 1954.

*W. A. Martin*  
A Commissioner, Notary Public etc.

Department of Mines and Technical Surveys  
Ottawa, 7<sup>th</sup> October 1954

Re Section 43, Canada Lands Surveys Act

Confirmed

*W. A. Martin*  
Surveyor General

OK  
D.E.S.

Certified true copy of Plan No. 3875  
Indian Affairs Survey Records at Ottawa

13<sup>th</sup> October 1954  
*W. A. Martin*  
Surveyor General

OK  
D.E.S.

THIS SURVEY WAS EXECUTED DURING THE PERIOD OF MAY 18TH  
TO MAY 21ST, 1954.

This plan is prepared under my instructions and the portion  
bordered in red hereon shows Land to be acquired by the  
Department of Highways, Ontario.

*W. A. Martin*  
Deputy Minister

BEARINGS ARE DEDUCED FROM THE WEST  
BOUNDARY OF PARCEL 9186 SUDBURY WEST SECTION  
ASSUMED TO BE NORTH.  
CORRS PLANTED WERE PLACED DURING SURVEY BY G. HUDSON, O.L.S. IN 1952.  
RESURVEY MADE BY J. CARMODY, O.L.S. IN 1954.  
LAND DEALT WITH BY THIS PLAN IS BORDERED THUS

MONUMENTS SHOWN THUS (INCLUDES ONE INCH SQUARE IRON BARS  
AND DEPARTMENT OF HIGHWAYS CONCRETE MONUMENTS)

NOTE:  
S.W.S. DENOTES SUDBURY WEST SECTION

DEPT. OF HIGHWAYS  
SUDBURY OFFICE  
TRACING CHECKED  
*W. A. Martin*  
NO. 53-771

PROOFED P.B.L. 15/54 DEPARTMENT OF HIGHWAYS, ONTARIO.  
TORONTO AUGUST, 1954

P-3002-1

## MEMORANDUM

28-18

SAINT STE. MARIE.

TO: Mr. C. S. Moase,  
Manager,  
Special Services Section.

FROM: Mr. A. G. Stermac,  
Principal Foundation Engr.,  
Foundation Section,  
Materials & Research Division.

DATE: August 27, 1963

OUR FILE REF.

IN REPLY TO

SUBJECT:

## FOUNDATION INVESTIGATION REPORT

For

Existing D.H.O. Patrol Yard, Hwy. 129,  
Lot 3, Block 'B', Dist. of Sudbury,  
Twp. of Chapleau, District 18.  
W.J. 63-F-88 -- W.P. (Nil).

It is proposed to extend a D.H.O. Patrol Garage on Hwy. #129, approximately 2 miles South of the Town of Chapleau. A request for a foundation investigation was received from Mr. C. S. Moase, dated August 2, 1963.

In order to determine the properties of the soil and decide on the type of foundations, an investigation was carried out by this Section. The field investigator was confined to 3 auger holes and 2 dynamic cone penetration tests.

The elevations, as well as the locations of the auger holes, are shown on Dwg. No. 63-F-88A, attached to this report.

The stratigraphy of the soil, throughout the site, was found to be quite uniform - medium dense silty sand, for a penetrated depth of 25 feet.

The safe bearing pressure for spread footings, 2 feet wide, at a depth of 6 feet below ground level, is estimated to be 4000 lbs./sq.ft.

cont'd. /2 ...

August 27, 1963

At the time of the investigation, the water level was approximately 15'-0" below existing ground level.

The recommendations given to us by the Regional Materials Engineer, Mr. E. R. Saint, for grading and paving, are as follows:

It is recommended that 6 inches of G.B.C. Class 'A' be provided by means of a grade raise or subexcavation throughout the areas to be paved. If the grade adjustment is greater than 6 inches, then Sand Cushion and 6 inches of G.B.C. Class 'A' should be used.

The pavement to consist of  $3\frac{1}{2}$  inches of HL-4. This depth to be composed of one 2-inch layer of HL-4 Binder Course and one  $1\frac{1}{2}$ -inch layer of HL-4 Surface Course.

The estimated distance from the Patrol Yard site to the nearest well is approx.  $1/4$  of a mile. It may be noted that the sand pile has been in existence for some time, and no complaint regarding contamination of water has been made.

The field work, performed during August 15, 1963, together with the preparation of this report, was undertaken by Mr. W. W. Kulmattickas, Project Foundation Engineer. The investigation was carried out under the general supervision of Mr. K. G. Selby, Senior Foundation Engineer, who reviewed this report.

We believe the information contained in this report will suffice for your future design work. However, should further information be required, please do not hesitate to contact our Office.

WWK/MoeF

Attach.

cc: C. S. Moase (4)

E. J. Orr

H. D. McMillan

J. W. MacDougall

E. R. Saint

A. Watt

Foundations

Gen. Files

*K. Y. Lo.*  
K. Y. Lo.

SUPERVISING FOUNDATION ENGR.

For:

A. G. Stermac,

PRINCIPAL FOUNDATION ENGR.

APPENDIX I.

63-F-88

## MEMORANDUM

To: Mr. A. Stermac  
Principal Foundations Engineer  
Materials & Research  
Downsview, Ontario

FROM: Materials & Research  
North Bay, Ontario

DATE: August 23, 1963

OUR FILE REF.

IN REPLY TO

SUBJECT: Patrol Garage - Chapleau Township Dist. 18

A review of the foundation borehole log's indicate that at present the yard has been filled with up to 5 feet of sand.

It is recommended that 6 inches of G.B.C. Class "A" be provided by means of a grade raise or subexcavation throughout the areas to be paved. If the grade adjustment is greater than 6 inches, then sand cushion and 6 inches of G.B.C. Class "A" should be used.

The pavement to consist of  $3\frac{1}{2}$  inches of HL4. This depth to be composed of one 2 inch layer of HL4 binder course and one  $1\frac{1}{2}$  inch layer of HL4 surface course.



E.R. Saint  
Regional Materials Engineer

ERS/ef  
c.c. G.A. Wrong  
File.

1963 AUG 13 PM 4:22

00468

B

SAUL DOWN 7 AUGUST 13/63 415PM VR

J W MACDOUGALL DIST ENGR

ATTN: G R ALMOND MTCE ENGR

FOR YOUR INFORMATION ONLY FOUNDATION SECTION WILL START FIELD  
WORK FOR PROPOSED GARAGE EXTENTION ON THURSDAY AUGUST 15  
AT FOLLOWING SITE :

PARCEL 6185 SUDBURY WEST SECTION PART OF BLOCK B CHAPLEAU  
TWP. HWY 129

K G SELBY SR FOUNDATION ENGR

FOR A G STERNAC PRINCIPAL FOUNDATION ENGR MAT AND RES

AH

63-F-88