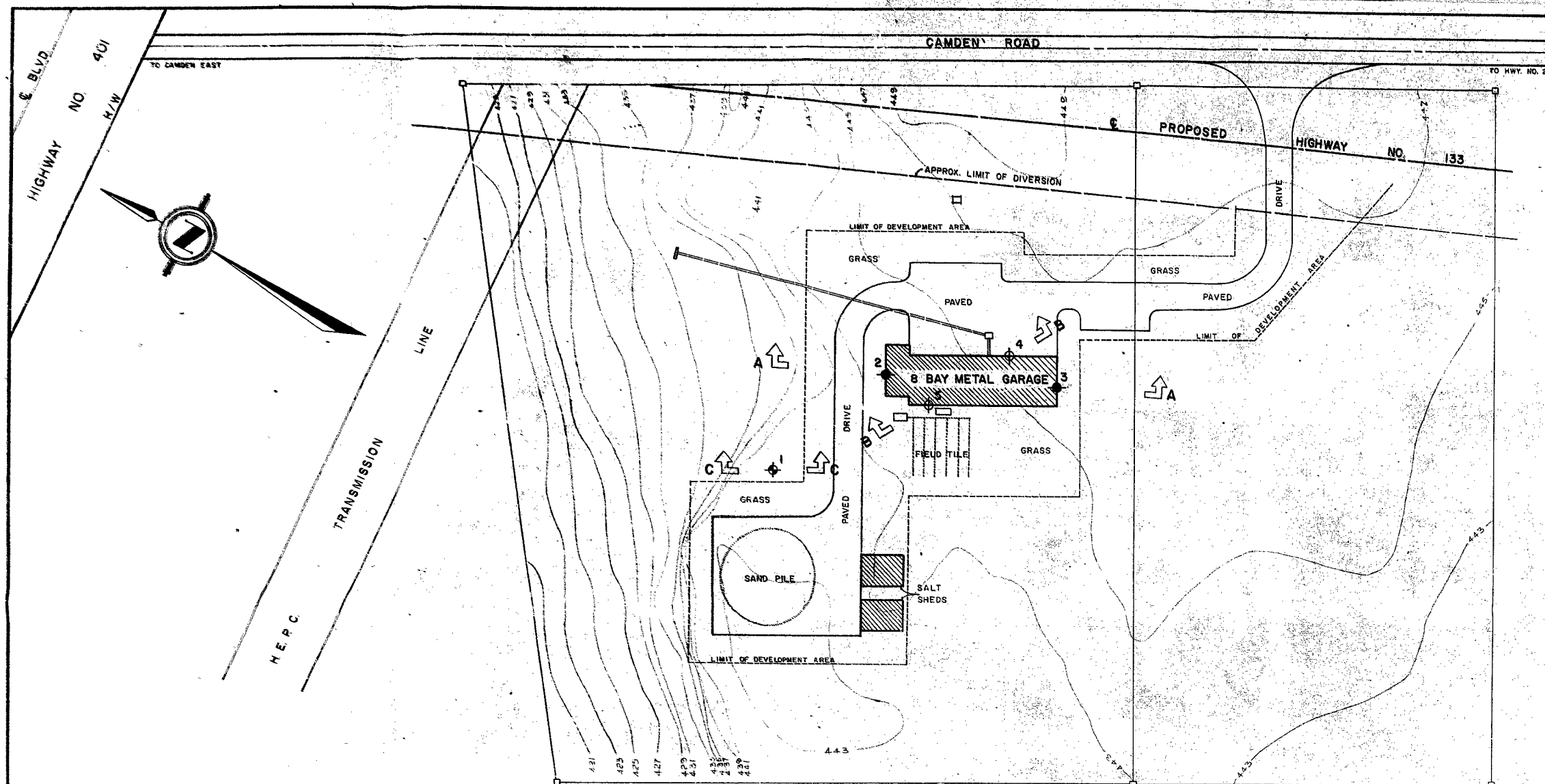


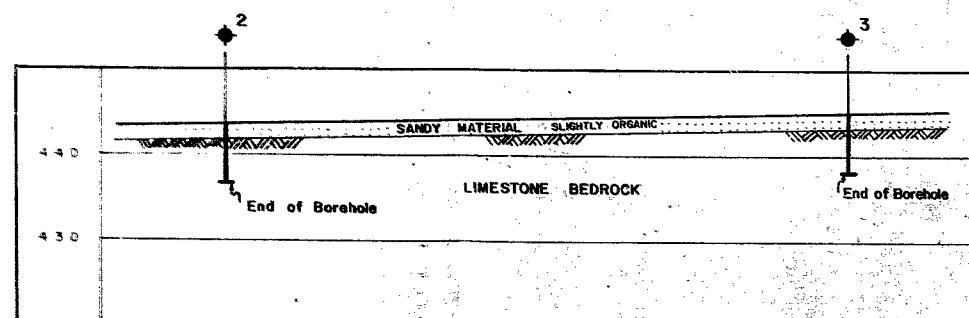
62-F-58

HNY 401
CAMDEN RD
PATROL
YARD

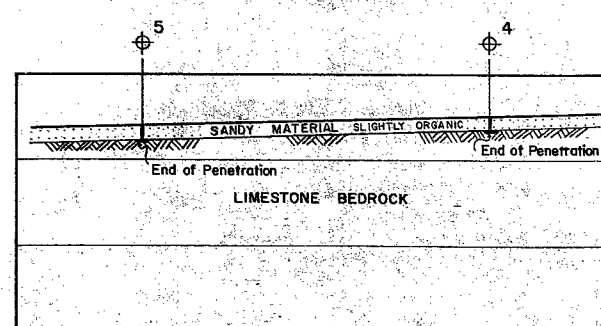


LEGEND			
	Bore Hole		
	Cone Penetration Hole		
	Bore & Cone Penetration Hole		
	Water Levels established at time of field investigation		
NO.	ELEVATION	STATION	OFFSET
1	4 4 1.3		
2	4 4 3.7		
3	4 4 5.2		
4	4 4 5.2		
5	4 4 4.1		

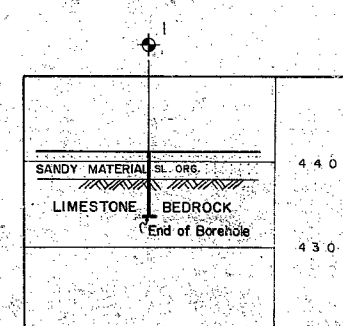
PLAN
SCALE IN FEET
0 50 100



A - A



B - B



C - C

SECTIONS
SCALE IN FEET
HORIZ. 0 20 40
VERT. 0 10 20

NOTE
The boundaries between soil strata have been established only at Bore Hole locations. Between Bore Holes the boundaries are assumed from geological evidence and may be subject to considerable error.

DEPARTMENT OF HIGHWAYS - ONTARIO
MATERIALS & RESEARCH SECTION

CAMDEN ROAD PATROL YARD

ORIGINATED: W. KULMATIKAS	DISTRICT NO. 8	DATE: 11 JUNE 1962
DRAWN: A. SHOPEE	W.P. NO. 62-F-58	JOB NO. 62-F-58
CHECKED: [Signature]	CONTRACT NO.	DRAWING NO.
APPROVED: [Signature]		62-F-58A

Dist 8

Mr. J. E. Gruspier,
Regional Soils Engineer,
Kingston.

Mr. A. G. Stermac,
Foundation Section.

August 29, 1962.

SOILS INVESTIGATION --
PATROL YARD AT COBDEN,
OTTAWA DISTRICT.

MF 55

Attached, we are sending you the site plan of the Patrol Yard at Cobden, Ottawa District. A subsoil investigation at this site has been requested by Mr. F. E. Cavell, Superintendent of Special Services.

The investigation was discussed with you, and it was agreed upon that it will be done by the Regional Soil forces. The planned investigation will be carried out with a power auger. Should the results be inadequate, a more detailed investigation will then be initialled and performed using a diamond drill, supervised either by a Regional Soils Project Engineer, or a Foundation Project Engineer. However, it is believed that the agreed upon investigation will provide all the necessary answers.

Should there be any questions that you would like to have clarified, we could discuss them over the phone.

AGS/MdeF
Attach.

A. G. Stermac,
A. G. Stermac,
PRINCIPAL FOUNDATION ENGINEER

cc: Foundations Office ✓
Gen. Files.



ONTARIO
DEPARTMENT OF HIGHWAYS

Dist 28-8

Memo to Mr. F. E. Cavell, *Date* June 5, 1962.
Superintendent,
Special Services Section. *Subject* D.H.O. FOUNDATION INVESTIGATION
REPORT.
From Materials & Research Division, W.J. 62-F-58 -- W.P. (Nil)
(Foundations Office)

RE: PROPOSED D.H.O. CAMDEN EAST PATROL YARD, LOT 20, CON. 5,
TWP. OF ERNESTOWN, HWY. No. 401, DISTRICT No. 8.

It is proposed to erect a D.H.O. patrol garage on Hwy. No. 401 at Lot No. 20, Con. No. 5. A request for a foundation investigation was received from Mr. F. E. Cavell, dated May 25th, 1962.

In order to determine the soil properties and decide on the type of foundation, an investigation was carried out by this Section. The field investigations were confined to three boreholes and two penetration tests. 5'-0" of rock core was taken in each borehole.

The elevations, as well as the locations of the boreholes, are shown on Drawing No. 62-F-58A, attached to this report.

The stratigraphy of the soil throughout the site, was found to be quite uniform. The top 2'-0" to 2'-6" consists of loose, slightly organic soil, overlain by about 3" to 6" of topsoil, underlain by limestone bedrock. The top 1'-0" to 1'-8" of the bedrock was found in a weathered condition and should be removed prior to placing of footings. The safe bearing pressure for footings placed on bedrock, is estimated to be 10 tons/sq.ft.

cont'd. /2 ...

No ground water was encountered during the time of the investigation.

The sand pile at the indicated location, may be built to any height without danger of base failure.

Access road may be built on the slightly organic soil; topsoil stripping should be carried out according to D.H.O. standards. For roadways and parking areas, a total minimum thickness of 18" of acceptable granular material, is recommended. The upper 6" of this should consist of Class 'A' G.B.C. material.

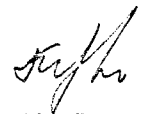
Surfacing material should consist of 3½" base and top of H.L.-3. The top 1½" may be modified to allow the use of a sandier mix.

The field work, performed during the period May 29, 1962 to May 30, 1962, together with the preparation of this report, was undertaken by Mr. W. W. Kulmatickas. The investigation was carried out under the general supervision of Mr. K. G. Selby, 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/MdeF

cc: Messrs. F. E. Cavell (4)
H. A. Tregaskes
H. D. McMillan
E. A. Cash
J. E. Gruspier
T. J. Kovich
J. Roy
E. R. Saint
F. Norman
Foundations Office ✓
Gen. Files.


K. Y. Lo,
SUPERVISING FOUNDATION ENGR.
For: A. G. Stermac,
PRINCIPAL FOUNDATION ENGR.

APPENDIX I.