

#60-F-71

W.P.#121-57

Hwy. #5 E

PROP. CULVERT

MISSISSAUGA RD.

23-61-16.

Memo to Mr. A. M. Toye,

Date August 12, 1960.

Bridge Engineer.

Subject D.H.O. Foundation Investigation

From Materials & Research Section.

M.P. 121-57 M.J. 60-F-71

ATTN: Mr. S. McCoshie

RE: Proposed Culvert at Hwy. 5  
and Mississauga Road, Twp.  
of Toronto.

The subsoil investigation at the above mentioned site was carried out by drilling two boreholes, one borehole at station 1+42, 7 ft. to left of centre line, and the second borehole at station 2+38, 3 ft. to the right of the centre line (see attached drawing).

The borehole findings indicate that under 2.5 to 3 ft. of granular fill, the subsoil is mostly desiccated, brown to grey silty and sandy clay with abundant shale fragments, and some stone pebbles. The material is slightly moist, and has medium to stiff consistency. In both holes the shale bedrock was contacted at elevations 301.5' and 329.5'. The core samples show the bedrock as solid grey shale.

The shale contact elevation in the boreholes is about 1.5' to 2' above the proposed stream diversion grade.

It is recommended to excavate the shale down to the required grade elevation, then place the footings of the proposed structure about 2 ft. below the grade elevation into the shale.

For excavations, a cut slope of 1 horizontal to 1.5 vertical will not necessitate any shoring.

Should any questions arise in connection with this project that you would like to discuss, please do not hesitate to contact our Office.

L. G. Soderman,  
PRINCIPAL FOUNDATIONS ENGR.

Per:

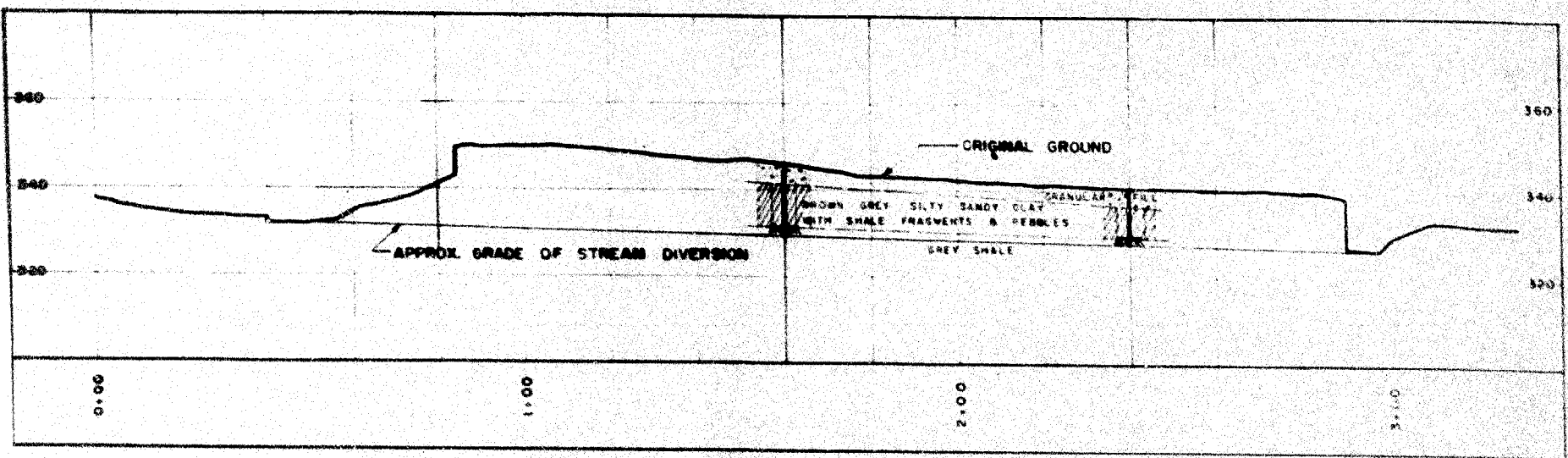
(V. Korlu,  
PROJECT FOUNDATION ENGR.

VK/gc

Attach.

cc: Messrs. A. M. Toye (2)  
H. A. Tregasker  
D. G. Ramsay  
I. Campbell  
C. Fraser  
T. J. Kovich  
A. Watt

Foundations Office  
General Files.



PROFILE OF PROPOSED CULVERT

SCALE 1"=20' HORIZ. & VERT.

PROPOSED CHANNELIZATION  
AT THE INTERSECTION OF  
HWY. NO. 5 & MISSISSAUGA ROAD

(CORD 2)

LOTS 3 & 4 RANGE 18 N 50 W  
TOWNSHIP OF TORONTO