

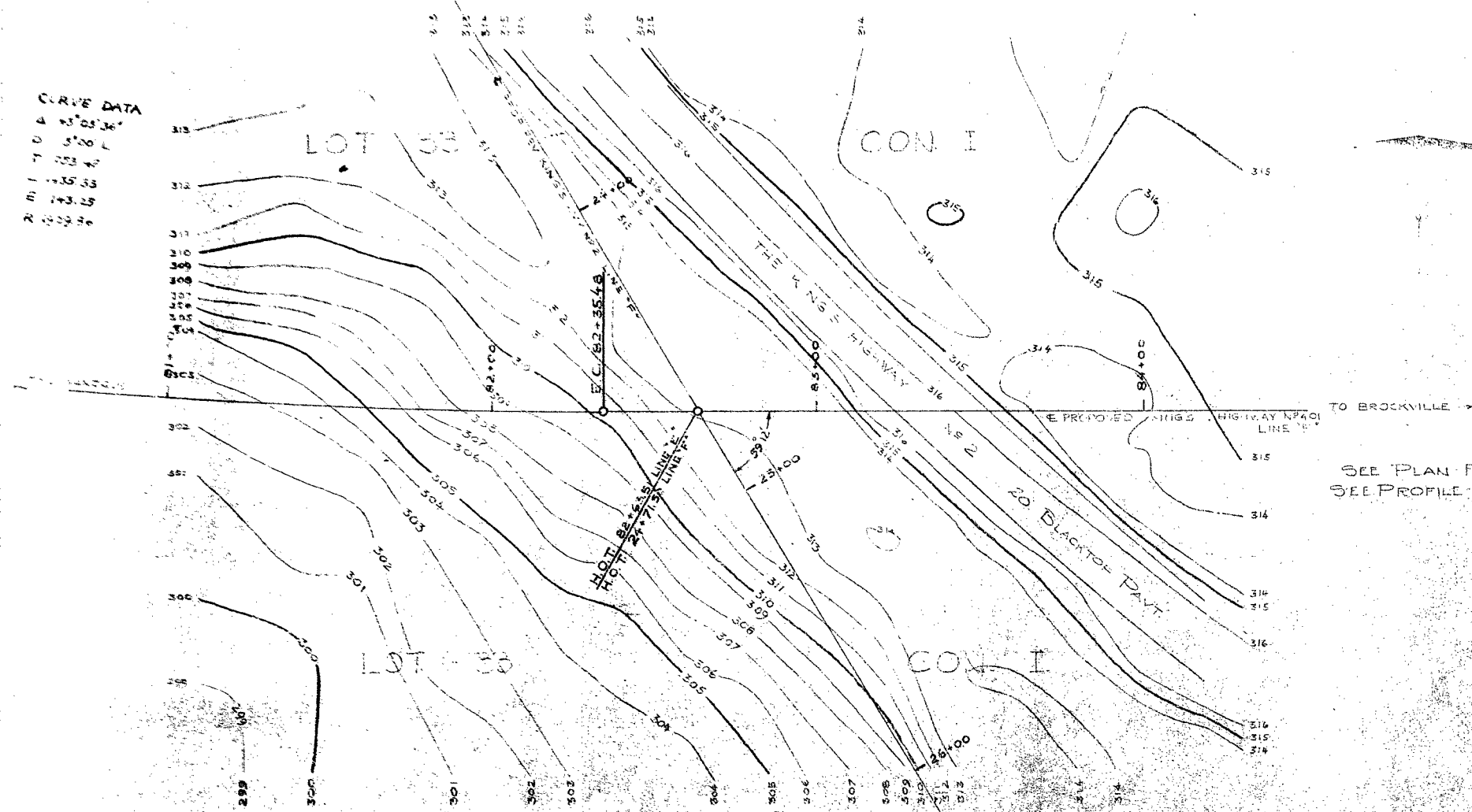
55-F-62

Hwy 401 & 2

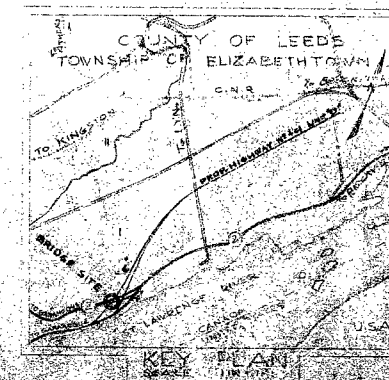
W. BROCKVILLE

EDITED
FOR MICROFILMING
BY *M.D.* DATE *30/10*

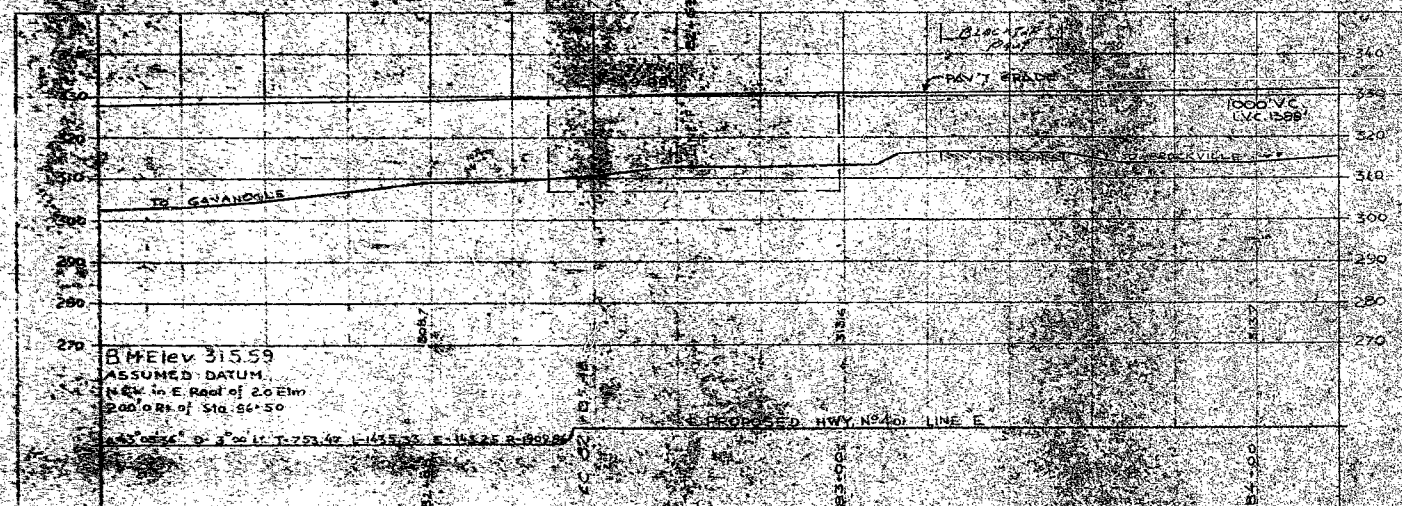
CURVE DATA
 4 43°03'36"
 0 3°00'00"
 1 7°02'42"
 1 35°33'
 1 73°25'
 2 33°29'36"



SEE PLAN F-3417-8
 SEE PROFILE F-3417-10



PLAN
 SCALE 1 IN = 20 FT



PROFILE
 H.O.T. 82+63.51 PROP KING'S HWY N°401 LINE E - H.O.T. 24+75.50 PROP REV KING'S HWY N°2 LINE F
 SCALE 1 IN = 20 FT

DEPARTMENT OF HIGHWAYS - ONTARIO
 PLANNING & DESIGN BRANCH
 DIVISION N°8

PROPOSED CROSSING
 AT
 THE PROP KING'S HIGHWAY N°401 LINE E
 AND
 THE PROP REV KING'S HWY N°2 LINE F
 APPROX 5 MI WEST OF BROCKVILLE
 LOT 33, CON I
 TOWNSHIP OF ELIZABETHTOWN, COUNTY OF LEEDS

BRIDGE SITE

SURVEY BY
 CHIEF OF PARTY J. HODGLEY
 SUPERVISOR F. LOSCOMBE
 DRAWN BY
 DRAFTSMAN E. H. MOLENDAMP
 SUPERVISOR A. ERAT
 CHECKED BY
 DRAFTSMAN G. R. SWAN
 SUPERVISOR H. PLEASANCE
 APPROVED
 SCALE 1 IN = 20 FT
 DATE OF SURVEY JULY 1955
 DATE OF PLAN AUGUST 1955
 PLAN F-3417-10

GERRY
BROCKVILLE

BATH PROPORTIONS

Hwy 5 40 IN # 2

INTERCHANGE

BORROW MATL. WILL
PROBABLY CONSIST OF
BORDERLINE SANDY LOAM
OR CLAY (LOAM) MATL.
LOCATED ABOUT ONE TO
TWO MILES N.E. OF
INTERCHANGE.

GRAN. MATL FOR
CULVERT & STRUCTURE
BACKFILL WILL PROBABLY
CONSIST OF SAND CUSHION
MATL. FROM TINCAP

Joe



ONTARIO
DEPARTMENT OF HIGHWAYS

53F-62

Highways Laboratory,
c/o Room 1422,
Parliament Buildings,
Toronto, Ontario.

January 25, 1956.

Mr. A. Tays,
Bridge Engineer.

Dear Sir: Re: Foundation Conditions, Hwy. #401 and Hwy. #4, 3 miles
west of Brantville. Plan S2022-1, Profile F2417-10.

We are forwarding herewith the report of the power-quadr borings
at the above site performed to establish the profile of the bedrock surface.

Yours truly,

F. C. Brownridge,
Materials & Research Engineer.

Per

Merid M. Davis

(E. K. Davis)

ml/m

Copies to:

Mr. A. Tays, Bridge Engineer (3)
Mr. M. Frequentes, Const. Engineer (1)
Mr. J. Galtor, Design Engineer, (1)
Mr. L. E. Walker, Dist. Engineer, Kingston (1)
File (3)

**Report on the Investigation
of the Proposed Bridge Site
at the Intersection of High-
way No. 401 and Highway No. 2
5 miles West of Brockville
(Township of Elizabethtown,
Lot 33, Concession I)**

Copies to:

Mr. A. Teye, Bridge Engineer (2)

Mr. J. Walter, Design Engineer (1)

Profile F 3417-10

Mr. H. Tregaskes, Construction Engineer (1)

Plan E 3039-1

Mr. L. E. Walker, Dist. Eng. Kingston (1)

File (2)

Introduction

This Branch has been requested to furnish information on the probable foundation conditions to be found at this site. Previous surveys indicated the close proximity of rock to the surface, so it was decided to investigate the structure by means of the power auger.

Soil Profile

The site is located over a thin, horizontally bedded limestone bed-rock which occurs at an average elevation of 310.0 beneath very shallow overburden not exceeding 18" in depth.

The rock surfaces which were visible close to the proposed location showed signs of severe weathering.

A plan of the borcholes is attached.

Recommendation

The structure should be constructed so that the footings are taken to sound rock below the influence of weathering; in which case a bearing of 4 tons per square foot would be permissible.

F. C. Brownridge
Materials and Research Engineer

Per:

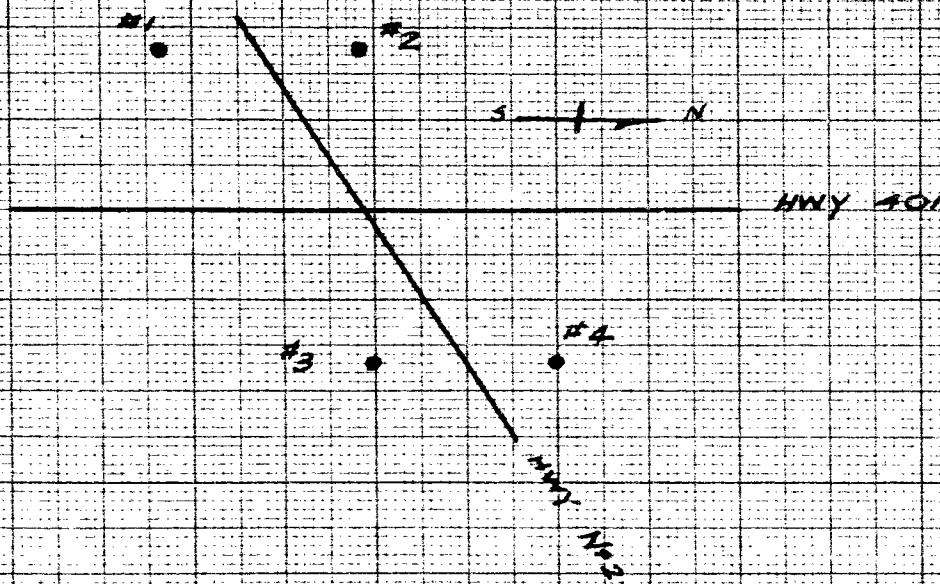
(A. Thorley)

AT:GGV
Kngl

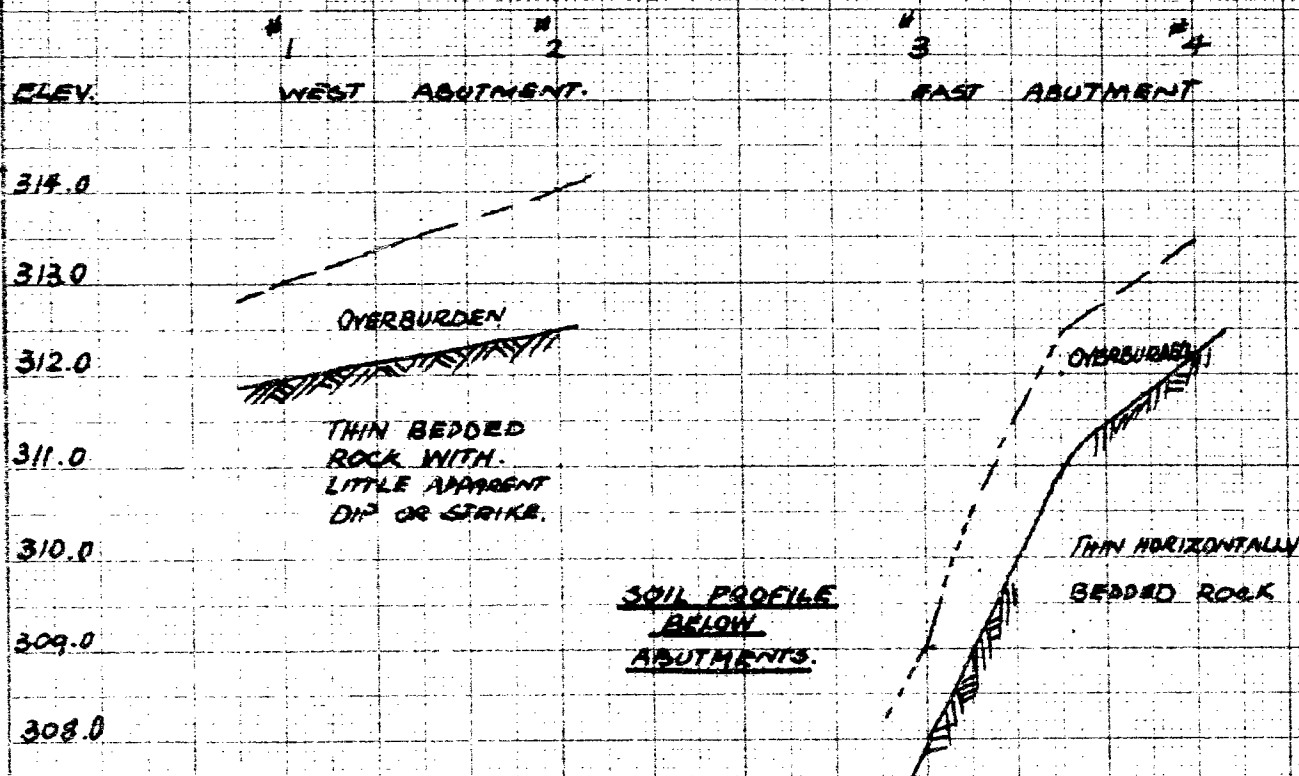
PROPOSED STRUCTURE AT INTERSECTION HWY 401 LINE 'E'
AND HWY NR 2 LINE 'F' 5 MILE WEST OF BROOKVILLE
(LOT 33. CON. 1 TWP. ELIZABETHTOWN)

PROF. F 2417-10

PLAN F 3029-1

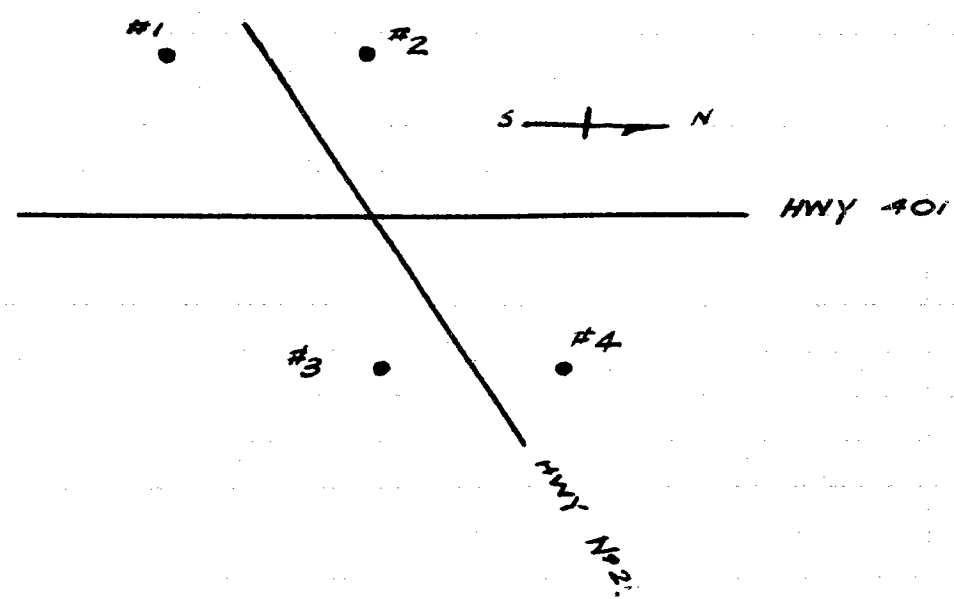


PLAN OF BOREHOLES



PROPOSED STRUCTURE AT INTERSECTION HWY 401 LINE 'E'
 AND HWY NO 2 LINE 'F' 5 MILES WEST OF BROCKVILLE
 (LOT 33. CON. I TWP ELIZABETHTOWN)

PROF. F 3417-10
 PLAN E 3039-1



PLAN OF BOREHOLES

