

# 64-F-78

LANGLEY BR.

S. ABUTMENT

LOCATION



Mr. C. Fraser,  
District Engineer,  
District #6, Toronto.

Foundation Section,  
Materials & Testing Div.,  
Room 107, Lab. Bldg.

Attn: Mr. D.A. Osborne-White,  
Dist. Mun. Engr.

September 16, 1964

Boiling in the Riverbed near the South  
Abutment location, Langley Bridge, Twp.  
of Adjala, Con. III & IV, Lot 22, Dist. #6.  
W.J. 64-F-78 -- W.P. (Nil)

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Following a discussion with you on September 14, 1964, regarding the above-mentioned project, it was agreed that the Foundation Section would prepare a drawing showing the proposed treatment of the south abutment location of the Langley Bridge. A drawing (W.J. 64-F-78A) showing the details of necessary excavation and backfilling is enclosed with this memo. The suggested excavation limits are shown on the plan; however, the extent of excavation behind the face of the abutment should be determined during construction. If you feel it is necessary, the Foundation Section will inspect the excavation and backfilling operations during construction.

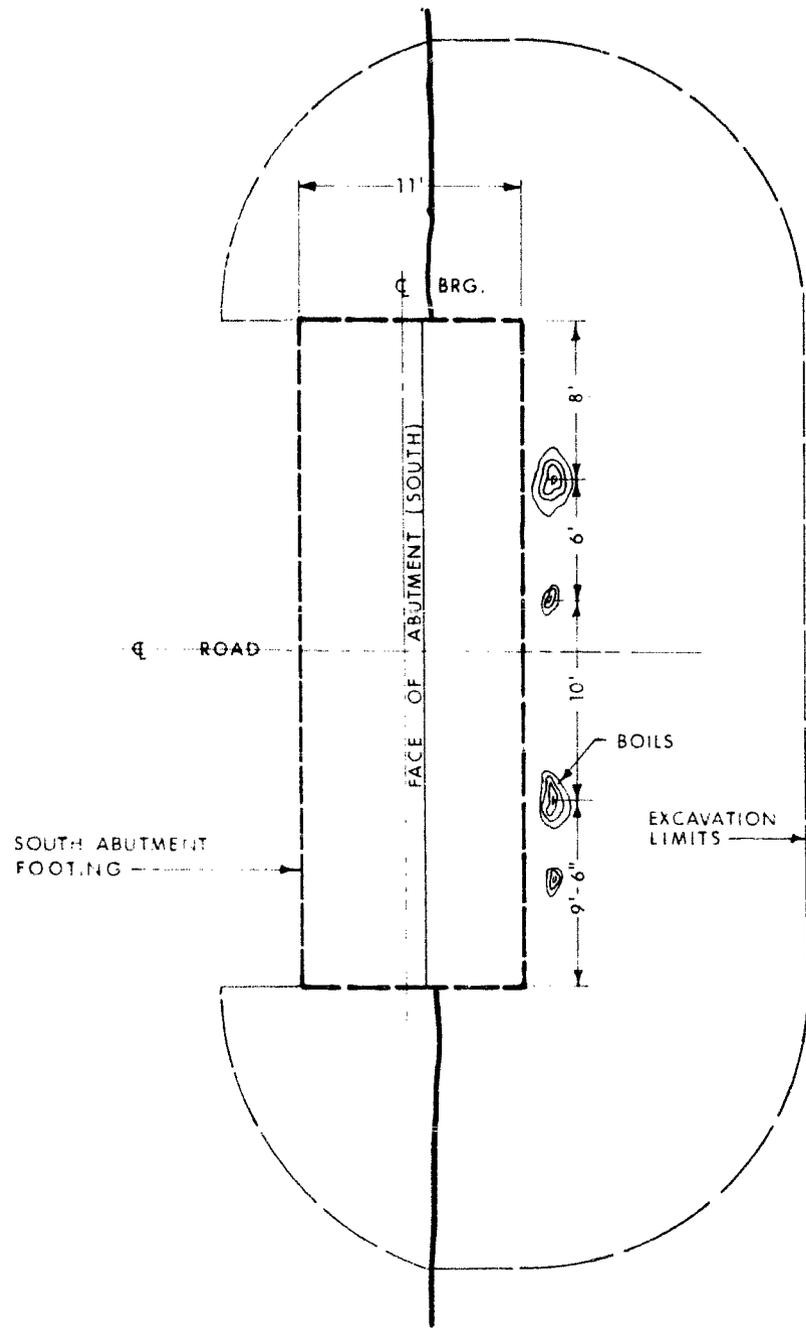
We believe the enclosed Drawing 64-F-78A will be sufficient for you to carry out the necessary work. If you need any further information regarding the above-mentioned project, please contact our office.

AD/ldel  
Encl.

*D. A. Stermac*  
D. A. Stermac,  
PRINCIPAL FOUNDATION ENGINEER

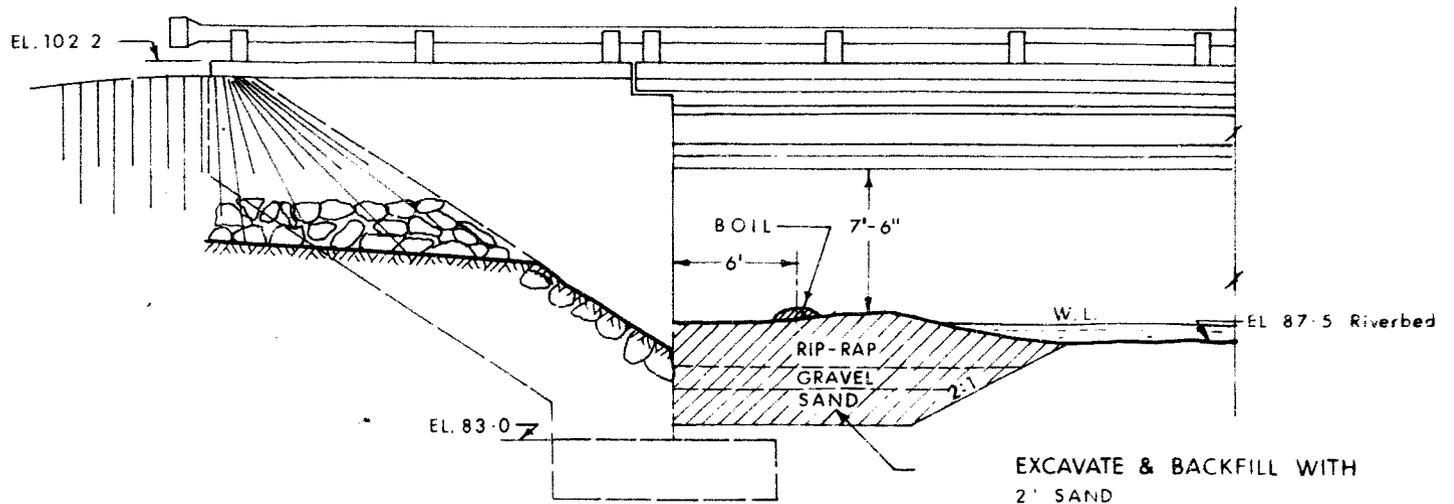
cc: Messrs. K. L. Kleinstaber  
T. J. Kovich

Foundations Office  
Gen. Files



PLAN

Scale:  $\frac{1}{8}'' = 1'-0''$



SECTION

Scale:  $\frac{1}{8}'' = 1'-0''$

DEPARTMENT OF HIGHWAYS - ONTARIO

PROPOSED TREATMENT AT THE SOUTH  
ABUTMENT OF LANGLEY BRIDGE

TWP. OF ADJALA CON. III & IV LOT 22

64-F-78A

Mr. C. Fraser,  
District Engineer,  
Toronto District.

Materials & Testing Division.

Attn: D.A.O. White.

September 21st, 1964.

Langley Bridge, Adjala Township

It is understood that you wish to have some information as to where granular materials can be obtained for the above-noted project as required by the Foundation report issued to you September 16th, 1964.

Sand Cushion

There are 2 or 3 pits located 2 to 3 miles east. One of these was used on the Hwy. #89 to Loretto development road project.  
Another large sand formation is located one mile south of Loretto along Bailey Creek. The haul distance here would be 6 miles.

Gravel

The closest sources known to us are located south of the hamlet of Hockley. The haul distance would be about 7 miles

Rip Rap

There are no quarries close to the bridge site. However, sufficient material could likely be obtained in the form of oversize from the pits in the Hockley area.

TJK/hd  
c.c. Foundations Section,  
T.J. Kovich,  
Files.

T.J. Kovich,  
Regional Materials Engineer.