

COPY



Soil Tests

SOIL EXPLORATION
company

662 CROMWELL AVENUE
ST. PAUL, MN 55114
PHONE 612/645-6446

a sister corporation to TWIN CITY TESTING AND ENGINEERING LABORATORY, INC.

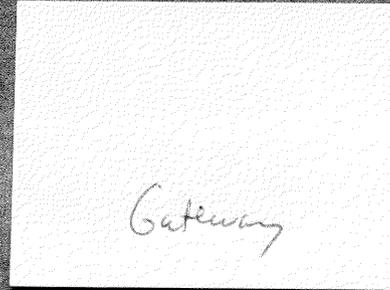
February 26, 1979

City of Minneapolis
211 City Hall
Minneapolis, MN 55401

Attn: Greg Finstad

Gentlemen

Subj: Municipal Parking Structure and MTC Facility
City of Minneapolis
Purchase Order #10014
#120-4204



OFFICERS:
CHARLES W. BRITZIUS
president
ROBERT F. WITTMAN
executive vice president
NORMAN E. HENNING
vice president
CLINTON R. EUE
secretary
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treasurer

Please attached this letter as a supplement to our earlier report dated February 19, 1979. At the time of reporting, test results from the compressive strength tests on the limestone were not completed. The test results are now available and are shown on the attached sheet.

BRANCH OFFICES:
BISMARCK, ND
FARGO, ND
GRANDFORKS, ND
MINOT, ND
MANKATO, MN
ROCHESTER, MN
APPLETON, WI
EAU CLAIRE, WI
LA CROSSE, WI
RAPID CITY, SD
SIOUX FALLS, SD
WATERLOO, IA

The results of the tests indicate that the limestone should be capable of supporting the recommended loads of up to 50 tons per square foot on a drilled pier foundation.

If you have any questions regarding this supplement or if we can be of any further assistance to you, please contact us.

Very truly yours

Steven D. Koenes, P.E.

SDK/am

Encs

cc: 1-Boarman Architects, Inc
Attn: Eugene C Nelson

11-4-81

Lloyd Bjorklund

TWIN CITY TESTING AND ENGINEERING LABORATORY, INC.

ENGINEERS AND CHEMISTS

662 Cromwell Avenue - St. Paul, Minn. 55114



REPORT OF: TEST OF CONCRETE CORES

PROJECT: SEC
 REPORTED TO: STEVE KOENES

DATE: _____
 FURNISHED BY: _____
 COPIES TO: _____

LABORATORY No. 120-4204

Sample Number _____

GENERAL INFORMATION:

	#9	#11
Location Taken		
Original Length (in.)		
Diameter (in.)		
Density, Saturated (pcf)		
Date Cored		
Date Tested		

COMPRESSIVE STRENGTH:

Load at Failure (lb)	24500	28100
Area Tested (sq in.)	2.01	2.01
Gross Unit Stress (psi)		
L/D Ratio	2.09	2.16
Correction Factor	1.0	1.0
Corrected Unit Stress (psi)	12,190	13980

REMARKS:

Coring and testing were done in accordance with ASTM Specification C42-64. The compressive strength was corrected for comparison with a Standard Concrete test cylinder having an L/D Ratio of 2.0.