

A RESOLUTION AUTHORIZING THE MAYOR AND FINANCE DIRECTOR TO ENTER INTO AN AGREEMENT WITH TIMMERMAN GEOTECHNICAL GROUP, INC. FOR PROFESSIONAL GEOTECHNICAL ENGINEERING SERVICES IN CONNECTION WITH THE EVERETT ROAD SANITARY SEWER IMPROVEMENTS AND APPROPRIATING FUNDS THEREFOR AND DECLARING AN EMERGENCY

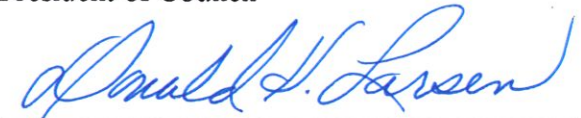
BE IT RESOLVED by the Council of the Village of Richfield, State of Ohio:

- SECTION 1. That the Mayor and Finance Director be, and they hereby are, authorized and directed to enter into an agreement with Timmerman Geotechnical Group, Inc. for professional geotechnical engineering services in connection with the Everett Road Sanitary Sewer Improvements, a copy of which agreement is attached hereto as Exhibit "A" and incorporated herein fully as if by reference.
- SECTION 2. That there is hereby appropriated in the Sewer Fund the sum of \$6,487.00 for these professional services.
- SECTION 3. That the provisions of Resolution No. 25-1994 with regard to bid procedures per Section 1, Item 3 be, and the same hereby are, deemed applicable.
- SECTION 4. This Resolution is hereby declared to be an emergency measure necessary for the immediate preservation of the public health, safety and welfare and for the further reason that it is immediately necessary to provide for a needed sewer project; wherefore, provided this Resolution receives the affirmative vote of two-thirds of the members of Council elected or appointed, it shall take effect immediately upon its passage and execution by the Mayor; otherwise, it shall take effect and be in force from and after the earliest period allowed by law.

Passed: March 27, 1996



President of Council



Mayor

Dated: 4/16/96

ATTEST:


Clerk of Council

FINKBEINER, PETTIS & STRC INC.

CONSULTING ENGINEERS
ESTABLISHED 1900
SUITE 2400
520 SOUTH MAIN STREET
AKRON, OHIO 44311-1010
216-434-1995
216-374-1095 FAX

March 13, 1996

Mr. Larry Wilson
Service Director
Village of Richfield
Village Hall
4410 West Streetsboro Road
Richfield, Ohio 44286

Re: Richfield, Ohio
Everett Road Sanitary Sewers

FPS

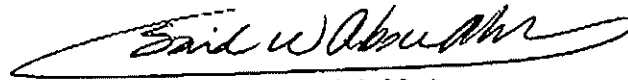
Dear Mr. Wilson:

On February 26, 1996, requests for proposals were sent to three geotechnical firms for subsurface investigation work on the above referenced project. As of this date, two proposals were received by our office. Both firms, Solar Testing Laboratories and Timmerman Geotechnical Group, Inc. are capable of performing the work.

Enclosed for your evaluation are copies of the two proposals. We recommend that you budget a \$1,000 amount above and beyond the proposal price for incidentals that may occur.

Should you have any questions or comments, please let me know.

Sincerely,



Said W. Abou Abdallah

SWA/kja

Enclosures

TIMMERMAN GEOTECHNICAL GROUP, INC.

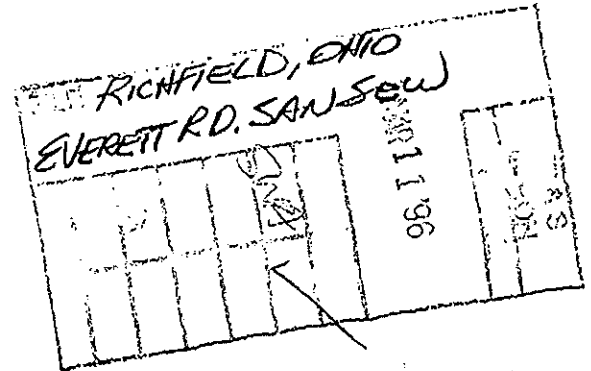
Consulting Geotechnical Engineers
Subsurface Investigations
Construction Quality Control
Materials Testing Laboratory

March 8, 1996

Finkbeiner, Pettis & Strout, Inc.
520 South Main Street, Suite 2400
Akron, Ohio 44311-1010

Attention: Said W. Abou Abdallah

SUBJECT: Everett Road Sanitary Sewer Improvements,
Richfield, Ohio



Gentlemen:

Per your request, we are pleased to submit the following quotation for geotechnical services to be provided on the subject project. The proposal is based on the project requirements presented in the request, our past experience with similar projects, and a visit to the site.

FIELD INVESTIGATION

The proposed test borings will be located generally as shown on GIS maps provided with your request, and previously field staked by others. However, as discussed with you by phone on March 5, 1996, several borings will require offsetting from the staked position in order to avoid overhead power lines. Borings B-1 through B-4 will be offset in a southerly direction, but not south of the Everett Road centerline. The need for traffic control at these four locations is anticipated, and will be provided by our personnel. Other borings will be moved to attain safe clearance from power lines, with offsets generally perpendicular to the roadway at a given staked location. After adjusting the test locations, we will notify O.U.P.S. prior to advancing the borings.

An estimated 272 lineal feet of standard penetration sampling will be performed in accordance with current A.S.T.M. standards, and under the direction of our geotechnical engineer assigned to the project. The soil samples will be visually classified in the field, and delivered to our office. On completion of each boring, the test holes will be backfilled, with excess auger cuttings removed from the test sites. Borings located in existing pavement will be patched with cold mix asphalt, and any disturbed lawn areas will be seeded. The use of our all-terrain vehicle rig will minimize such disturbance.

Finkbeiner, Pettis & Strout, Inc.
 March 8, 1996
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ENGINEERING ANALYSIS AND REPORT

All samples will be examined by one of our geotechnical engineers, and the final test boring logs will be prepared. Laboratory testing will be performed as deemed necessary by our project engineer. Following our analysis of data, a written report of findings and recommendations will be prepared; including, but not limited to the following items:

1. Test boring logs and laboratory test results.
2. Discussion of soil profile and subsurface conditions.
3. Recommendations pertinent to construction and support of the planned sewer and appurtenances.
4. Presentation of any precautions deemed necessary during subsequent design or construction phases.

ESTIMATED FEES

The following estimate of cost would apply to this project:

Subsurface Investigation			
Mobilization (ATV).....	Lump Sum.....	\$	350.00
Additional Crew Trips.....	2 EA @ \$ 75.00/EA....		150.00
Standard Penetration Boring....	272 LF @ 9.75/LF....		2,652.00
Site Restoration.....	14 EA @ 20.00/EA....		280.00
Flaggers (2 Men).....	8 HR @ 45.00/HR....		360.00
Field Engineer.....	3 HR @ 50.00/HR....		150.00
Utilities Protection.....	2 HR @ 50.00/HR....		100.00
Engineering Analysis & Report			
Laboratory Testing.....	Estimated.....		250.00
Soil Classification.....	3 HR @ \$ 50.00/HR....		150.00
Staff Engineer.....	8 HR @ 50.00/HR....		400.00
Project Engineer.....	3 HR @ 65.00/HR....		195.00
Drafting.....	5 HR @ 40.00/HR....		200.00
Clerical & Report Preparation.....	Lump Sum.....		<u>250.00</u>

TOTAL ESTIMATED FEES \$ 5,487.00

Our final billing will be based on actual quantities performed, charged at the unit rates given above; and may be more or less than the above estimate.

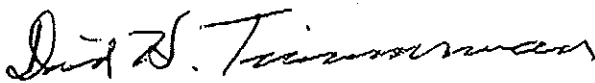
SCHEDULE

Our normal drilling schedule generally permits start of a given project within about one (1) week following notice to proceed. The field work in this case would take an estimated (3) days to complete. The final report would be submitted within two (2) weeks following completion of the field work, with verbal recommendations available prior to submittal of the written report.

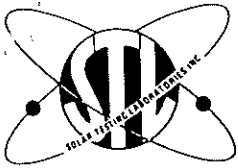
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March 8, 1996
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We look forward to working with you on this project, and appreciate the request for this proposal. Please contact our office with any questions you might have regarding this matter.

Respectfully submitted,


David H. Timmerman, P.E.

DHT/hk



SOLAR TESTING LABORATORIES, INC.

5399 Lancaster Drive, Brooklyn Heights, Ohio 44131
 Telephone: (216) 741-7007 • FAX: (216) 741-7011

March 1, 1996

ITEM NO.	DESCRIPTION	EST. QUAN.	UNIT	UNIT PRICE	TOTAL
1.	Mobilization-Demobilization		L.S.		\$ 200.00
2.	Soil Borings with Split-Spoon Sampling 5x15';7x20';1x30';1x35'	280	L.F.	\$10.00	2,800.00
3.	"Undisturbed" Soil Samples	6	EACH	48.00	288.00
4.	<u>Laboratory Testing</u>				
	a) Soil Classification	280	L.F.	1.50	420.00
	b) Moisture Content Test	42	EACH	6.50	273.00
	c) Unconfined Compressive Strength	4	EACH	50.00	200.00
	d) Atterberg Limits	4	EACH	55.00	220.00
	e) Grain Size Analysis	4	EACH	65.00	260.00
5.	<u>Engineering Analysis and Recommendations</u>				
	a) Layouts & Coordinating w/Utility	4	HOUR	70.00	280.00
	b) Project Coordination	2	HOUR	65.00	130.00
	c) Drafting/Data Reduction	8	HOUR	35.00	280.00
	d) Analysis & Recommendations	8	HOUR	55.00	440.00
	e) Report Preparation	4	HOUR	65.00	260.00
ESTIMATED TOTAL					\$ 6,051.00

It is anticipated that we can commence boring and sampling within ten (10) days after notice to proceed. The field exploration is expected to be completed within three (3) to four (4) days, and an additional approximate ten (10) working days are required for completing laboratory soils testing, engineering analysis, evaluation, recommendations, and report preparation.

Our services will be billed shortly after the submittal of the report. The complete balance is due and is to be paid within thirty (30) days after the billing date.

