

Empire Laboratories, Inc.

GEOTECHNICAL ENGINEERING & MATERIALS TESTING

CORPORATE OFFICE
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April 2, 1991

City of Fort Collins
Engineering Department
P.O. Box 580
Fort Collins, Colorado 80522

Attention: Mr. Lance Newlin

Re: 1991 Street Paving Projects
Extraction/Gradation - Asphalt Grading "E"
ELI Project No. 8839

Gentlemen:

Enclosed are the results of quantitative extractions performed in accordance with ASTM D 2172, Method A and gradation analysis of extracted aggregate performed in accordance with ASTM C 117 and C 136 on asphaltic concrete delivered to our laboratory on March 28, 1991, from the above-referenced site.

If you have any questions on the data presented, please contact us at your convenience.

Very truly yours,

EMPIRE LABORATORIES, INC.


Gary M. Martinson
Manager of Construction Observation
and Field Services

ac

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APR 5 1991

Engineering Dept.

Buttany Knolls



Branch Offices

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Longmont, CO 80502
(303) 776-3921

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Member of Consulting Engineers Council

City of Fort Collins
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Asphalt Concrete Laboratory Test Summary

Project: Brittany Knolls Sanitary Sewer - S. Lemay Avenue patch area
Sample No.: 1
Date Delivered: March 28, 1991 Time: 10:40 a.m.
Truck No.: 752P Temperature: 280^oF
Location: S. Lemay Avenue patch
Contractor: Western Mobile Northern

Quantitative Extraction, ASTM D 2172, Method A

Asphalt Cement Content - 5.5%

Gradation Analysis of Extracted Aggregate, ASTM C 117 and C 136

Sieve Size	% Passing	Specifications Grading "E" % Passing
3/4"	100	100
1/2"	91.3	---
3/8"	81.0	---
#4	62.8	44-72
#8	47.3	30-58
#16	34.9	---
#30	23.6	---
#50	12.9	---
#100	7.0	---
#200	4.4	3-12