

Colorado Precast Concrete, Inc.

1820 S.E. 14th Street • Loveland, Colorado 80537-8805 • (303) 669-0535 • FAX (303) 669-0674

CITY F. C. ENGINEERING
REC'D *93SEP20AM10#44

September 16, 1993

Mr Dave Simpson
Connell Resources
4305 E. Harmony Road
Ft. Collins, CO 80525

RE: Vacuum Testing

Dear Dave:

Colorado Precast Concrete, Inc. tested manholes for Connell Resources, with the last one being test September 14th. The manholes were located at Solar Subdivision your job #9326. It was tested at ground level (finish grade) for one minute at 10 hg. in. and dropped .10 hg. in. All of the manholes passed the vacuum test within the required criteria.

Respectfully Submitted,



Cindy S. Buckardt, CCA
Colorado Precast Concrete, Inc.

cc: Steve Biegler - Engineering Department
City of Fort Collins
P.O. Box 580
Ft. Collins, CO 80522-0580



CONNELL

Divisions

Loveland Excavating Co.
Windsor Aggregates, Inc.
Taft Hill Aggregates, Inc.

FAX COVER SHEET

TO: Steve Biegler
COMPANY NAME: City of Ft. Collins
TELEPHONE #: _____
FAX #: 221 6378

CONNELL RESOURCES, INC

FROM: DAVE SIMPSON
DATE: 8/15/93
CONTENTS: Water analysis - Park Ave
Water Ridge

NUMBER OF PAGES, INCLUDING COVER SHEET: 2

ADDITIONAL INFORMATION: Steve,
Call if you have any
questions.
Thank you.
DB



Empire Laboratories, Inc.

A Division of The Terracon Companies, Inc.

P.O. Box 503 • 301 No. Howes
Fort Collins, Colorado 80522
(303) 484-0359
FAX No. (303) 484-0454

January 12, 1993

RECEIVED JAN 13 1993

Connell Resources
4305 E. Harmony Road
Fort Collins, Colorado 80525

Attention: Mr. Dave Simpson

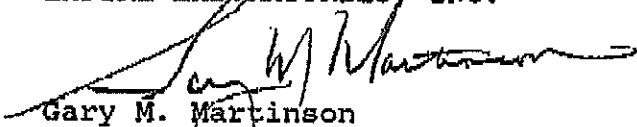
Re: Laboratory Test Results
3/4" Concrete Aggregate
Taft Hill Pit
Project No. 2093-4001-3

Dear Mr. Simpson:

Enclosed are the results of a concrete aggregate sieve analysis performed in accordance with ASTM procedures on the above-referenced sample of 3/4" concrete aggregate material delivered to our laboratory on January 11, 1993. If you have any questions on the data presented, please feel free to contact us at your convenience.

Very truly yours,

EMPIRE LABORATORIES, INC.


Gary M. Martinson
Manager of Construction Observation
and Field Services

Enclosure

hmb

Offices of The Terracon Companies, Inc.

Geotechnical, Environmental and Materials Engineers

Arizona: Tucson ■ Colorado: Colorado Springs, Denver, Ft. Collins, Greeley, Longmont ■ Idaho: Boise
Illinois: Bloomington, Chicago, Rock Island ■ Iowa: Cedar Falls, Cedar Rapids, Davenport, Des Moines, Storm Lake
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Oklahoma: Oklahoma City, Tulsa ■ Texas: Dallas ■ Utah: Salt Lake City ■ Wyoming: Cheyenne

QUALITY ENGINEERING SINCE 1905

CONCRETE AGGREGATE SIEVE ANALYSIS

CLIENT NAME: CONNELL RESOURCES
SOURCE OF MATERIAL: TAFT HILL PIT
SAMPLE LOCATION: BELT
DATE SAMPLED: JANUARY 11, 1993

<u>AGGREGATE SIZE</u>	<u>SIEVE SIZE</u>	<u>% PASSING</u>	<u>ASTM SPEC. % PASSING</u>
3/4 INCH	1 INCH	100.0	100
	3/4 INCH	73.2	80-100
	1/2 INCH	38.9	-
	3/8 INCH	17.8	20-55
	#4	2.6	0-10
	#8	2.3	0-5

FINENESS MODULUS = 7.04

SIEVE ANALYSIS

CLIENT NAME: CONNELL RESOURCES

SAMPLE NUMBER:

MATERIAL: 2-1/2 INCH SIZE 357 AGGREGATE

SOURCE OF MATERIAL: TAFT HILL PIT STOCKPILE

DATE SAMPLED: JANUARY 13, 1993

<u>SIEVE SIZE</u>	<u>% PASSING</u>	<u>ASTM SPEC. % PASSING SPECIFICATION</u>
2-1/2 INCH	100.0	100
2 INCH	100.0	95-100
1-1/2 INCH	100.0	
1 INCH	84.9*	35-70
3/4 INCH	51.5	
1/2 INCH	13.3	10-30
3/8 INCH	4.2	
#4	1.9	0-5

Fineness Modulus = 7.42

* Denotes out of specifications

CONCRETE AGGREGATE SIEVE ANALYSIS

CLIENT NAME: CONNELL RESOURCES
SOURCE OF MATERIAL: TAFT HILL PIT
SAMPLE LOCATION: BELT SAMPLE
DATE SAMPLED: AUGUST 4, 1998

AGGREGATE SIZE	SIEVE SIZE	% PASSING	ASTM SPEC. % PASSING
3/4 INCH	1 INCH	85.8	100
	3/4 INCH	70.2	90-100
	1/2 INCH	19.1	-
	3/8 INCH	5.1	20-55
	#4	2.7	0-10
	#8	2.6	0-5
<u>FINENESS MODULUS = 7.18</u>			



Empire Laboratories, Inc.

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P.O. Box 303 • 301 No. Howe
Fort Collins, Colorado 80522
(303) 484-0359
FAX No. (303) 484-0454

*** FAX TRANSMISSION ***

TO:

FROM:

Dave Simpson

Name

Gary Martinson

Connell Resources

Company

ELI

Depart/Off

223-3191

Fax Number

Voice Number

NOTES:

*Dave: Re: 3/4" Conc Aggr sieve result.
Jelly's Wed*

Gary M

8-5-93 9:15

Date and Time

Total Pages:
(Incl. this page)

2

If this transmission is poor, incomplete, etc....call
(303) 484-0359