

# EARTH ENGINEERING CONSULTANTS

## Report of Cast-in-Place Concrete Tests

Project: Stetson Creek PUD  
Fort Collins, CO

Project No.: 1944050

### GENERAL INFORMATION

Placement Date: 8/10/95	Test Set No.: 16
Placement Location: Cross Pan	
Concrete Supplier: Western Mobile	Truck No.: 68
Water Added On-Site: 0 gallons	
Notes:	

### FIELD TEST RESULTS

Slump (Inches)	3 1/2"
Concrete Temperature (°F)	80°
Air Content (%)	5.5%
Air Temperature at Placement (°F)	71°

### LABORATORY CYLINDER TEST RESULTS

Cylinder No	Date Tested	Age (days)	Maximum Applied Load (pounds)	Type Failure	Compressive Strength (psi)
16A	8/17	7	90,000	Conical	3180
16C	9/7	28	111,500	Cone	3940
16C <sup>1</sup>	9/7	28	106,500	Shear	3770
16H	9/7	Hold			
Specified Compressive Strength (at 28 days): 3500 psi					

Reports to: Dwayne Walker, Empire Construction Management  
Mark Garcia, Lawson Construction  
Jack Fockler, Western Mobile  
Steve Biegler, City of Fort Collins

# EARTH ENGINEERING CONSULTANTS

## Report of Cast-in-Place Concrete Tests

**Project:** Stetson Creek PUD  
Fort Collins, CO

**Project No.:** 1944050

### GENERAL INFORMATION

<b>Placement Date:</b> 8/10/95	<b>Test Set No.:</b> 16
<b>Placement Location:</b> Cross Pan	
<b>Concrete Supplier:</b> Western Mobile	<b>Truck No.:</b> 68
<b>Water Added On-Site:</b> 0 gallons	
<b>Notes:</b>	

### FIELD TEST RESULTS

<b>Slump (Inches)</b>	3 1/2"
<b>Concrete Temperature (°F)</b>	80°
<b>Air Content (%)</b>	5.5%
<b>Air Temperature at Placement (°F)</b>	71°

### LABORATORY CYLINDER TEST RESULTS

<b>Cylinder No</b>	<b>Date Tested</b>	<b>Age (days)</b>	<b>Maximum Applied Load (pounds)</b>	<b>Type Failure</b>	<b>Compressive Strength (psi)</b>
16A	8/17	7	90,000	Conical	3180
16C	9/7	28			
16C <sup>1</sup>	9/7	28			
16H	9/7	Hold			
<b>Specified Compressive Strength (at 28 days):</b> 3500 psi					

Reports to: Dwayne Walker, Empire Construction Management  
Mark Garcia, Lawson Construction  
Jack Fockler, Western Mobile  
Steve Biegler, City of Fort Collins

# EARTH ENGINEERING CONSULTANTS

## Report of Cast-in-Place Concrete Tests

Project: Stetson Creek PUD  
Fort Collins, CO

Project No.: 1944050

### GENERAL INFORMATION

Placement Date: 8/8/95	Test Set No.: 15
Placement Location: Cross Pan East of 4+45 on Stetson Creek Dr	
Concrete Supplier: Western Mobile	Truck No.: 66
Water Added On-Site: 0 gallons	
Notes:	

### FIELD TEST RESULTS

Slump (Inches)	3"
Concrete Temperature (°F)	82°
Air Content (%)	5.0%
Air Temperature at Placement (°F)	93°

### LABORATORY CYLINDER TEST RESULTS

Cylinder No	Date Tested	Age (days)	Maximum Applied Load (pounds)	Type Failure	Compressive Strength (psi)
15A	8/15	7	81,000	Shear	2870
15C	9/5	28	109,500	Shear	3870
15C <sup>1</sup>	9/5	28	109,000	Shear	3850
15H	9/5	Hold			
Specified Compressive Strength (at 28 days): 3500 psi					

Reports to: Dwayne Walker, Empire Construction Management  
Mark Garcia, Lawson Construction  
Jack Fockler, Western Mobile  
Steve Biegler, City of Fort Collins

# EARTH ENGINEERING CONSULTANTS

## Report of Cast-in-Place Concrete Tests

Project: Stetson Creek PUD  
Fort Collins, CO

Project No.: 1944050

### GENERAL INFORMATION

Placement Date: 8/8/95	Test Set No.: 15
Placement Location: Cross Pan East of 4+45 on Stetson Creek Dr	
Concrete Supplier: Western Mobile	Truck No.: 66
Water Added On-Site: 0 gallons	
Notes:	

### FIELD TEST RESULTS

Slump (Inches)	3"
Concrete Temperature (°F)	82°
Air Content (%)	5.0%
Air Temperature at Placement (°F)	93°

### LABORATORY CYLINDER TEST RESULTS

Cylinder No	Date Tested	Age (days)	Maximum Applied Load (pounds)	Type Failure	Compressive Strength (psi)
15A	8/15	7	81,000	Shear	2870
15C	9/5	28			
15C <sup>1</sup>	9/5	28			
15H	9/5	Hold			
Specified Compressive Strength (at 28 days): 3500 psi					

Reports to: Dwayne Walker, Empire Construction Management  
Mark Garcia, Lawson Construction  
Jack Fockler, Western Mobile  
Steve Biegler, City of Fort Collins

# EARTH ENGINEERING CONSULTANTS

## Report of Cast-in-Place Concrete Tests

Project: Stetson Creek PUD  
Fort Collins, CO

Project No.: 1944050

### GENERAL INFORMATION

Placement Date: 8/7/95	Test Set No.: 14
Placement Location: Cross Pan @ East int. of Mountain Creek Dr & Stetson Creek Dr	
Concrete Supplier: Western Mobile	Truck No.: 01
Water Added On-Site: 0 gallons	
Notes:	

### FIELD TEST RESULTS

Slump (Inches)	3 1/4"
Concrete Temperature (°F)	81°
Air Content (%)	6.0%
Air Temperature at Placement (°F)	93°

### LABORATORY CYLINDER TEST RESULTS

Cylinder No	Date Tested	Age (days)	Maximum Applied Load (pounds)	Type Failure	Compressive Strength (psi)
14A	8/14	7	71,000	Shear	2510
14C	9/4	28			
14C <sup>1</sup>	9/4	28			
14H	9/4	Hold			
Specified Compressive Strength (at 28 days): 3500 psi					

Reports to: Dwayne Walker, Empire Construction Management  
Mark Garcia, Lawson Construction  
Jack Fockler, Western Mobile  
Steve Biegler, City of Fort Collins

# EARTH ENGINEERING CONSULTANTS

## Report of Cast-in-Place Concrete Tests

**Project:** Stetson Creek PUD  
Fort Collins, CO

**Project No.:** 1944050

### GENERAL INFORMATION

<b>Placement Date:</b> 8/4/95	<b>Test Set No.:</b> 13
<b>Placement Location:</b> Cross Pan	
<b>Concrete Supplier:</b> Western Mobile	<b>Truck No.:</b> 69
<b>Water Added On-Site:</b> 5 gallons	
<b>Notes:</b>	

### FIELD TEST RESULTS

<b>Slump (Inches)</b>	3"
<b>Concrete Temperature (°F)</b>	80°
<b>Air Content (%)</b>	5.2%
<b>Air Temperature at Placement (°F)</b>	83°

### LABORATORY CYLINDER TEST RESULTS

Cylinder No	Date Tested	Age (days)	Maximum Applied Load (pounds)	Type Failure	Compressive Strength (psi)
13A	8/11	7	89,500	Conical	3166
13C	9/1	28	116,000	Cone	4100
13C <sup>1</sup>	9/1	28	115,000	Shear	4070
13H	9/1	Hold			
<b>Specified Compressive Strength (at 28 days):</b> 3500 psi					

Reports to: Dwayne Walker, Empire Construction Management  
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# EARTH ENGINEERING CONSULTANTS

## Report of Cast-in-Place Concrete Tests

Project: Stetson Creek PUD  
Fort Collins, CO

Project No.: 1944050

### GENERAL INFORMATION

Placement Date: 8/4/95	Test Set No.: 13
Placement Location: Cross Pan	
Concrete Supplier: Western Mobile	Truck No.: 69
Water Added On-Site: 5 gallons	
Notes:	

### FIELD TEST RESULTS

Slump (Inches)	3"
Concrete Temperature (°F)	80°
Air Content (%)	5.2%
Air Temperature at Placement (°F)	83°

### LABORATORY CYLINDER TEST RESULTS

Cylinder No	Date Tested	Age (days)	Maximum Applied Load (pounds)	Type Failure	Compressive Strength (psi)
13A	8/11	7	89,500	Conical	3170
13C	9/1	28	116,000	Cone	4100
13C <sup>1</sup>	9/1	28	115,000	Shear	4070
13H	9/1	Hold			
Specified Compressive Strength (at 28 days): 3500 psi					

Reports to: Dwayne Walker, Empire Construction Management  
Mark Garcia, Lawson Construction  
Jack Fockler, Western Mobile  
Steve Biegler, City of Fort Collins

# EARTH ENGINEERING CONSULTANTS

## Report of Cast-in-Place Concrete Tests

Project: Stetson Creek PUD  
Fort Collins, CO

Project No.: 1944050

### GENERAL INFORMATION

Placement Date: 8/4/95	Test Set No.: 13
Placement Location: Cross Pan	
Concrete Supplier: Western Mobile	Truck No.: 69
Water Added On-Site: 5 gallons	
Notes:	

### FIELD TEST RESULTS

Slump (Inches)	3"
Concrete Temperature (°F)	80°
Air Content (%)	5.2%
Air Temperature at Placement (°F)	83°

### LABORATORY CYLINDER TEST RESULTS

Cylinder No	Date Tested	Age (days)	Maximum Applied Load (pounds)	Type Failure	Compressive Strength (psi)
13A	8/11	7	89,500	Conical	3170
13C	9/1	28			
13C <sup>1</sup>	9/1	28			
13H	9/1	Hold			
Specified Compressive Strength (at 28 days): 3500 psi					

Reports to: Dwayne Walker, Empire Construction Management  
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Jack Fockler, Western Mobile  
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# EARTH ENGINEERING CONSULTANTS

## Report of Cast-in-Place Concrete Tests

Project: Stetson Creek PUD  
Fort Collins, CO

Project No.: 1944050

### GENERAL INFORMATION

Placement Date: 8/2/95	Test Set No.: 12
Placement Location: Private drive south of Stetson Creek Drive @ 5+84	
Concrete Supplier: Western Mobile	Truck No.: 665
Water Added On-Site: 5 gallons	
Notes:	

### FIELD TEST RESULTS

Slump (Inches)	2"
Concrete Temperature (°F)	75°
Air Content (%)	6.0%
Air Temperature at Placement (°F)	77°

### LABORATORY CYLINDER TEST RESULTS

Cylinder No.	Date Tested	Age (days)	Maximum Applied Load (pounds)	Type Failure	Compressive Strength (psi)
12A	8/9	7	93,000	Conical	3290
12C	8/30	28	108,500	Shear Cone	3840
12C <sup>1</sup>	8/30	28	110,000	Shear	3890
12H	8/30	Hold			
<b>Specified Compressive Strength (at 28 days): 3500 psi</b>					

Reports to: Dwayne Walker, Empire Construction Management  
Mark Garcia, Lawson Construction  
Jack Fockler, Western Mobile  
Steve Biegler, City of Fort Collins

# EARTH ENGINEERING CONSULTANTS

## Report of Cast-in-Place Concrete Tests

Project: Stetson Creek PUD  
Fort Collins, CO

Project No.: 1944050

### GENERAL INFORMATION

Placement Date: 8/2/95	Test Set No.: 12
Placement Location: Private drive south of Stetson Creek Drive @ 5+84	
Concrete Supplier: Western Mobile	Truck No.: 665
Water Added On-Site: 5 gallons	
Notes:	

### FIELD TEST RESULTS

Slump (Inches)	2"
Concrete Temperature (°F)	75°
Air Content (%)	6.0%
Air Temperature at Placement (°F)	77°

### LABORATORY CYLINDER TEST RESULTS

Cylinder No	Date Tested	Age (days)	Maximum Applied Load (pounds)	Type Failure	Compressive Strength (psi)
12A	8/9	7	93,000	Conical	3290
12C	8/30	28			
12C <sup>1</sup>	8/30	28			
12H	8/30	Hold			
Specified Compressive Strength (at 28 days): 4000 psi					

Reports to: Dwayne Walker, Empire Construction Management  
Mark Garcia, Lawson Construction  
Jack Fockler, Western Mobile  
Steve Biegler, City of Fort Collins

# EARTH ENGINEERING CONSULTANTS

## Report of Cast-in-Place Concrete Tests

Project: Stetson Creek PUD  
Fort Collins, CO

Project No.: 1944050

### GENERAL INFORMATION

Placement Date: 8/1/95	Test Set No.: 11
Placement Location: Cross pan @ Mtn. Creek Circle & cul-de-sac STA 0+18 <sup>50</sup>	
Concrete Supplier: Western Mobile/White	Truck No.: 6306-MD
Water Added On-Site: 4 gallons	
Notes:	

### FIELD TEST RESULTS

Slump (Inches)	2 1/4"
Concrete Temperature (°F)	70°
Air Content (%)	5.5%
Air Temperature at Placement (°F)	59°

### LABORATORY CYLINDER TEST RESULTS

Cylinder No	Date Tested	Age (days)	Maximum Applied Load (pounds)	Type Failure	Compressive Strength (psi)
11A	8/8	7	83,000	Shear Cone	2940
11C	8/29	28	107,500	Shear	3800
11C <sup>1</sup>	8/29	28	107,500	Shear	3800
11H	8/29	Hold			
Specified Compressive Strength (at 28 days): 3500 psi					

Reports to: Dwayne Walker, Empire Construction Management  
Mark Garcia, Lawson Construction  
Jack Fockler, Western Mobile  
Steve Biegler, City of Fort Collins

# EARTH ENGINEERING CONSULTANTS

## Report of Cast-in-Place Concrete Tests

Project: Stetson Creek PUD  
Fort Collins, CO

Project No.: 1944050

### GENERAL INFORMATION

Placement Date: 8/1/95	Test Set No.: 11
Placement Location: Cross pan @0+18 on Mountain Creek Drive	
Concrete Supplier: Western Mobile	Truck No.: 6306-MD
Water Added On-Site: 4 gallons	
Notes:	

### FIELD TEST RESULTS

Slump (Inches)	2 1/4"
Concrete Temperature (°F)	75°
Air Content (%)	5.5%
Air Temperature at Placement (°F)	59°

### LABORATORY CYLINDER TEST RESULTS

Cylinder No	Date Tested	Age (days)	Maximum Applied Load (pounds)	Type Failure	Compressive Strength (psi)
11A	8/8	7	83,000	Conical	2940
11C	8/29	28			
11C <sup>1</sup>	8/29	28			
11H	8/29	Hold			
Specified Compressive Strength (at 28 days): 3500 psi					

Reports to: Dwayne Walker, Empire Construction Management  
Mark Garcia, Lawson Construction  
Jack Fockler, Western Mobile  
Steve Biegler, City of Fort Collins

# EARTH ENGINEERING CONSULTANTS

## Report of Cast-in-Place Concrete Tests

Project: Stetson Creek PUD  
Fort Collins, CO

Project No.: 1944050

### GENERAL INFORMATION

Placement Date: 7/31/95	Test Set No.: 10
Placement Location: Cross pan west of 13+69 on Stetson Creek Drive	
Concrete Supplier: Western Mobile	Truck No.: 66
Water Added On-Site: 5 gallons	
Notes:	

### FIELD TEST RESULTS

Slump (Inches)	3"
Concrete Temperature (°F)	79°
Air Content (%)	6.0%
Air Temperature at Placement (°F)	57°

### LABORATORY CYLINDER TEST RESULTS

Cylinder No	Date Tested	Age (days)	Maximum Applied Load (pounds)	Type Failure	Compressive Strength (psi)
10A	8/7	7	91,000	Conical	3220
10C	8/28	28	114,500	Shear	4050
10C <sup>1</sup>	8/28	28	116,500	Shear	4120
10H	8/28	Hold			
Specified Compressive Strength (at 28 days): 3500 psi					

Reports to: Dwayne Walker, Empire Construction Management  
Mark Garcia, Lawson Construction  
Jack Fockler, Western Mobile  
Steve Biegler, City of Fort Collins

# EARTH ENGINEERING CONSULTANTS

## Report of Cast-in-Place Concrete Tests

Project: Stetson Creek PUD  
Fort Collins, CO

Project No.: 1944050

### GENERAL INFORMATION

Placement Date: 7/27/95	Test Set No.: 9
Placement Location: Cross pan @ Stetson Creek Court and Stetson Creek Drive	
Concrete Supplier: Western Mobile	Truck No.: 02
Water Added On-Site: 5 gallons	
Notes: Cylinders A, C, C <sup>1</sup> and H were cast in the lab, F and F <sup>1</sup> were cast in the field	

### FIELD TEST RESULTS

Slump (Inches)	3"
Concrete Temperature (°F)	80°
Air Content (%)	5.5%
Air Temperature at Placement (°F)	91°

### LABORATORY CYLINDER TEST RESULTS

Cylinder No	Date Tested	Age (days)	Maximum Applied Load (pounds)	Type Failure	Compressive Strength (psi)
9A	8/3	7	85,000	Conical	3010
9C	8/24	28	104,500	Split	3690
9C <sup>1</sup>	8/24	28	107,000	Split Cone	3780
9F	8/24	28			
9F <sup>1</sup>	8/24	28			
9H	8/24	Hold			
Specified Compressive Strength (at 28 days): 3500 psi					

Reports to: Dwayne Walker, Empire Construction Management  
Mark Garcia, Lawson Construction  
Jack Fockler, Western Mobile  
Steve Biegler, City of Fort Collins

# EARTH ENGINEERING CONSULTANTS

## Report of Cast-in-Place Concrete Tests

Project: Stetson Creek

Project No.: 1944050

### GENERAL INFORMATION

Placement Date: 7/26/95	Test Set No.: 8
Placement Location: Cross pan @ 8+50 on Stetson Creek Drive	
Concrete Supplier: Western Mobile	Truck No.: 60
Water Added On-Site: 0 gallons	
Notes:	

### FIELD TEST RESULTS

Slump (Inches)	2 1/4"
Concrete Temperature (°F)	73°
Air Content (%)	5.5%
Air Temperature at Placement (°F)	72°

### LABORATORY CYLINDER TEST RESULTS

Cylinder No	Date Tested	Age (days)	Maximum Applied Load (pounds)	Type Failure	Compressive Strength (psi)
8F	8/23	28	114,500	Split Cone	4050
8F <sub>1</sub>	8/23	28	118,500	Cone	4190
Specified Compressive Strength (at 28 days):					

Reports to: Dwayne Walker  
Craig Farver

# EARTH ENGINEERING CONSULTANTS

## Report of Cast-in-Place Concrete Tests

Project: Stetson Creek PUD  
Fort Collins, CO

Project No.: 1944050

### GENERAL INFORMATION

Placement Date: 7/26/95	Test Set No.: 8
Placement Location: Cross pan @ 8+50 on Stetson Creek Drive	
Concrete Supplier: Western Mobile	Truck No.: 60
Water Added On-Site: 0 gallons	
Notes: Cylinders A, C, C <sup>1</sup> and H were cast in the lab, F and F <sup>1</sup> were cast in the field	

### FIELD TEST RESULTS

Slump (Inches)	2 1/4"
Concrete Temperature (°F)	73°
Air Content (%)	5.5%
Air Temperature at Placement (°F)	72°

### LABORATORY CYLINDER TEST RESULTS

Cylinder No	Date Tested	Age (days)	Maximum Applied Load (pounds)	Type Failure	Compressive Strength (psi)
8A	8/2	7	84,000	Conical	2970
8C	8/23	28			
8C <sup>1</sup>	8/23	28			
8F	8/23	28			
8F <sup>1</sup>	8/23	28			
8H	8/23	Hold			
Specified Compressive Strength (at 28 days): 3500 psi					

Reports to: Dwayne Walker, Empire Construction Management  
Mark Garcia, Lawson Construction  
Jack Fockler, Western Mobile  
Steve Biegler, City of Fort Collins

# EARTH ENGINEERING CONSULTANTS

## Report of Cast-in-Place Concrete Tests

Project: Stetson Creek PUD  
Fort Collins, CO

Project No.: 1944050

### GENERAL INFORMATION

Placement Date: 7/27/95	Test Set No.: 9
Placement Location: Cross pan @ Stetson Creek Court and Stetson Creek Drive	
Concrete Supplier: Western Mobile	Truck No.: 02
Water Added On-Site: 5 gallons	
Notes: Cylinders A, C, C <sup>1</sup> and H were cast in the lab, F and F <sup>1</sup> were cast in the field	

### FIELD TEST RESULTS

Slump (Inches)	3"
Concrete Temperature (°F)	80°
Air Content (%)	5.5%
Air Temperature at Placement (°F)	91°

### LABORATORY CYLINDER TEST RESULTS

Cylinder No	Date Tested	Age (days)	Maximum Applied Load (pounds)	Type Failure	Compressive Strength (psi)
9A	8/3	7	85,000	Conical	3010
9C	8/24	28			
9C <sup>1</sup>	8/24	28			
9F	8/24	28			
9F <sup>1</sup>	8/24	28			
9H	8/24	Hold			
Specified Compressive Strength (at 28 days): 3500 psi					

Reports to: Dwayne Walker, Empire Construction Management  
Mark Garcia, Lawson Construction  
Jack Fockler, Western Mobile  
Steve Biegler, City of Fort Collins

# EARTH ENGINEERING CONSULTANTS

## Report of Cast-in-Place Concrete Tests

Project: Timber Creek PUD  
Fort Collins, CO

Project No.: 1944075

### GENERAL INFORMATION

Placement Date: 7/27/95	Test Set No.: 4
Placement Location: Curb and Gutter @ 1+30 West bound on Timber Creek Drive	
Concrete Supplier: Western Mobile	Truck No.: 66
Water Added On-Site: 0 gallons	
Notes: Cylinders A, C, C <sup>1</sup> and H were cast in the lab, F and F <sup>1</sup> were cast in the field	

### FIELD TEST RESULTS

Slump (Inches)	3/4"
Concrete Temperature (°F)	75°
Air Content (%)	5.6%
Air Temperature at Placement (°F)	70°

### LABORATORY CYLINDER TEST RESULTS

Cylinder No	Date Tested	Age (days)	Maximum Applied Load (pounds)	Type Failure	Compressive Strength (psi)
4A	8/3	7	88,000	Conical	3080
4C	8/24	28			
4C <sup>1</sup>	8/24	28			
4F	8/24	28			
4F <sup>1</sup>	8/24	28			
4H	8/24	Hold			
Specified Compressive Strength (at 28 days): 3500 psi					

Reports to: Tom Livingston, Everitt Company  
Mark Garcia, Lawson Construction  
Jack Fockler, Western Mobile  
Steve Biegler, City of Fort Collins

# EARTH ENGINEERING CONSULTANTS

## Report of Cast-in-Place Concrete Tests

Project: Stetson Creek PUD  
Fort Collins, CO

Project No.: 1944050

### GENERAL INFORMATION

Placement Date: 7/18/95	Test Set No.: 6
Placement Location: Curb & Gutter W. bound on Stetson Creek Drive @ 6+33	
Concrete Supplier: Western Mobile	Truck No.: 03
Water Added On-Site: 0 gallons	
Notes: Cylinders A, C, C <sup>1</sup> and H were cast in the lab, F and F <sup>1</sup> were cast in the field	

### FIELD TEST RESULTS

Slump (Inches)	1 1/4"
Concrete Temperature (°F)	74°
Air Content (%)	5.8%
Air Temperature at Placement (°F)	73°

### LABORATORY CYLINDER TEST RESULTS

Cylinder No	Date Tested	Age (days)	Maximum Applied Load (pounds)	Type Failure	Compressive Strength (psi)
6A	7/25	7	86,000	Conical	3040
6C	8/15	28	110,000	Conical	3890
6C <sup>1</sup>	8/15	28	112,000	Conical	3960
6F	8/15	28	112,000	Conical	3960
6F <sup>1</sup>	8/15	28	112,000	Conical	3960
6H	8/15	Hold			
Specified Compressive Strength (at 28 days): 3500 psi					

Reports to: Dwayne Walker, Empire Construction Management  
Mark Garcia, Lawson Construction  
Jack Fockler, Western Mobile  
Steve Biegler, City of Fort Collins

# EARTH ENGINEERING CONSULTANTS

## Report of Cast-in-Place Concrete Tests

**Project:** Stetson Creek PUD  
Fort Collins, CO

**Project No.:** 1944050

### GENERAL INFORMATION

<b>Placement Date:</b> 7/18/95	<b>Test Set No.:</b> 5
<b>Placement Location:</b> Curb & gutter on Stetson Creek Drive @3+85 <sup>33</sup>	
<b>Concrete Supplier:</b> Western Mobile	<b>Truck No.:</b> 66
<b>Water Added On-Site:</b> 2 gallons	
<b>Notes:</b> Cylinders A, C, C <sup>1</sup> and H were cast in the lab, F and F <sup>1</sup> were cast in the field	

### FIELD TEST RESULTS

<b>Slump (Inches)</b>	1"
<b>Concrete Temperature (°F)</b>	73°
<b>Air Content (%)</b>	6.4%
<b>Air Temperature at Placement (°F)</b>	65°

### LABORATORY CYLINDER TEST RESULTS

<b>Cylinder No</b>	<b>Date Tested</b>	<b>Age (days)</b>	<b>Maximum Applied Load (pounds)</b>	<b>Type Failure</b>	<b>Compressive Strength (psi)</b>
5A	7/25	7	91,500	Conical	3240
5C	8/15	28	114,500	Conical	4050
5C <sup>1</sup>	8/15	28	113,000	Conical	4000
5F	8/15	28	121,500	Conical	4300
5F <sup>1</sup>	8/15	28	125,000	Conical	4420
5H	8/15	Hold			
<b>Specified Compressive Strength (at 28 days):</b> 3500 psi					

Reports to: Dwayne Walker, Empire Construction Management  
Mark Garcia, Lawson Construction  
Jack Fockler, Western Mobile  
Steve Biegler, City of Fort Collins

# EARTH ENGINEERING CONSULTANTS

## Report of Cast-in-Place Concrete Tests

Project: Stetson Creek PUD  
Fort Collins, CO

Project No.: 1944050

### GENERAL INFORMATION

Placement Date: 7/14/95	Test Set No.: 3
Placement Location: Rollover Curb on Stetson Creek Court @ 15' S of Stetson Creek Dr	
Concrete Supplier: Western Mobile	Truck No.: 04
Water Added On-Site: 0 gallons	
Notes: Cylinders A, C, C <sup>1</sup> and H were cast in the lab, F and F <sup>1</sup> were cast in the field	

### FIELD TEST RESULTS

Slump (Inches)	3/4"
Concrete Temperature (°F)	76°
Air Content (%)	5.7%
Air Temperature at Placement (°F)	78°

### LABORATORY CYLINDER TEST RESULTS

Cylinder No	Date Tested	Age (days)	Maximum Applied Load (pounds)	Type Failure	Compressive Strength (psi)
3A	7/21	7	99,000	Conical	3500
3C	8/11	28	124,500	Conical	4400
3C <sup>1</sup>	8/11	28	124,500	Conical	4400
3F	8/11	28	120,500	Conical	4260
3F <sup>1</sup>	8/11	28	123,000	Conical	4350
3H	8/11	Hold			
Specified Compressive Strength (at 28 days): 3500 psi					

Reports to: Dwayne Walker, Empire Construction Management  
Mark Garcia, Lawson Construction  
Jack Fockler, Western Mobile  
Steve Biegler, City of Fort Collins

# EARTH ENGINEERING CONSULTANTS

## Report of Cast-in-Place Concrete Tests

Project: Stetson Creek PUD  
Fort Collins, CO

Project No.: 1944050

### GENERAL INFORMATION

Placement Date: 7/14/95	Test Set No.: 4
Placement Location: Rollover Curb on Mountain Creek Drive @ 4+25	
Concrete Supplier: Western Mobile	Truck No.: 66
Water Added On-Site: 0 gallons	
Notes: Cylinders A, C, C <sup>1</sup> and H were cast in the lab, F and F <sup>1</sup> were cast in the field	

### FIELD TEST RESULTS

Slump (Inches)	1"
Concrete Temperature (°F)	75°
Air Content (%)	5.9%
Air Temperature at Placement (°F)	73°

### LABORATORY CYLINDER TEST RESULTS

Cylinder No	Date Tested	Age (days)	Maximum Applied Load (pounds)	Type Failure	Compressive Strength (psi)
4A	7/21	7	98,000	Conical	3470
4C	8/11	28	126,500	Conical	4480
4C <sup>1</sup>	8/11	28	127,000	Conical	4490
4F	8/11	28	123,500	Conical	4370
4F <sup>1</sup>	8/11	28	117,500	Conical	4160
4H	8/11	Hold			
Specified Compressive Strength (at 28 days): 3500 psi					

Reports to: Dwayne Walker, Empire Construction Management  
Mark Garcia, Lawson Construction  
Jack Fockler, Western Mobile  
Steve Biegler, City of Fort Collins

# EARTH ENGINEERING CONSULTANTS

## Report of Cast-in-Place Concrete Tests

Project: Stetson Creek PUD

Project No.: 1944050

### GENERAL INFORMATION

Placement Date: 7/14/95	Test Set No.: 2
Placement Location: Rollover Curb on Mountain Creek Drive @ 9+50	
Concrete Supplier: Western Mobile	Truck No.: 10
Water Added On-Site: 0 gallons	
Notes: Cylinders A, C, C <sup>1</sup> and H were cast in the lab, F and F <sup>1</sup> were cast in the field	

### FIELD TEST RESULTS

Slump (Inches)	3/4"
Concrete Temperature (°F)	73°
Air Content (%)	6.2%
Air Temperature at Placement (°F)	70°

### LABORATORY CYLINDER TEST RESULTS

Cylinder No	Date Tested	Age (days)	Maximum Applied Load (pounds)	Type Failure	Compressive Strength (psi)
2A	7/21	7	86,000	Conical	3040
2C	8/11	28	112,000	Conical	3980
2C <sup>1</sup>	8/11	28	116,000	Conical	4100
2F	8/11	28	117,500	Conical	4160
2F <sup>1</sup>	8/11	28	116,500	Conical	4120
2H	8/11	Hold			
Specified Compressive Strength (at 28 days): 3500 psi					

Reports to: Dwayne Walker, Empire Construction Management  
Mark Garcia, Lawson Construction  
Jack Fockler, Western Mobile  
Steve Biegler, City of Fort Collins

# EARTH ENGINEERING CONSULTANTS

## Report of Cast-in-Place Concrete Tests

Project: Stetson Creek PUD

Project No.: 1944050

### GENERAL INFORMATION

Placement Date: 7/14/95	Test Set No.: 1
Placement Location: Rollover Curb on Mountain Creek Drive @1+25	
Concrete Supplier: Western Mobile	Truck No.: 3
Water Added On-Site: 0 gallons	
Notes: Cylinders A, C, C <sup>1</sup> and H were cast in the lab, F and F <sup>1</sup> were cast in the field	

### FIELD TEST RESULTS

Slump (Inches)	1"
Concrete Temperature (°F)	72°
Air Content (%)	6.0%
Air Temperature at Placement (°F)	68°

### LABORATORY CYLINDER TEST RESULTS

Cylinder No	Date Tested	Age (days)	Maximum Applied Load (pounds)	Type Failure	Compressive Strength (psi)
1A	7/21	7	81,000	Conical	2870
1C	8/11	28	107,000	Conical	3800
1C <sup>1</sup>	8/11	28	113,000	Conical	4000
1F	8/11	28	117,000	Conical	4140
1F <sup>1</sup>	8/11	28	115,000	Conical	4070
1H	8/11	Hold			
Specified Compressive Strength (at 28 days): 3500 psi					

Reports to: Dwayne Walker, Empire Construction Management  
Mark Garcia, Lawson Construction  
Jack Fockler, Western Mobile  
Steve Biegler, City of Fort Collins