CONCRETE COMPRESSIVE STRENGTH TEST REPORT

Report Number:	02161442.0138	* Da
Service Date:	01/20/17	" Ke
Report Date:	01/20/17	
Task:	09 - Concrete Testing	for Site

port Contains Deviation(s)

Work

ЭС 13910 W 96th Ter Lenexa, KS 66215-1228 913-492-7777

Project

City of Lee's Summit Water Utilities Facility 1200 SE Hamblen Road Lee's Summit, MO

Project Number: 02161442

Lee's Summit, MO 64063 Material Information Sample Information Specified Strength: 4,000 psi @ 2 days Sample Date: 01/20/17 **Sample Time:** 0930 Sampled By: Jack Kollars Mix ID: KCHEE60 Weather Conditions: Fog **Supplier:** Geiger **Accumulative Yards:** 10 **Batch Size (cy):** 10 Batch Time: 0917 **Plant:** Lee's Summit, MO **Placement Method:** Direct Discharge Truck No.: 377 Ticket No.: 827175 Water Added Before (gal): Water Added After (gal): Field Test Data Sample Location: Center of North Edge, Bottom 10 Test Inches. Result **Specification Placement Location:** Hamblen Road Street Crossing. Slump (in): 10 Max 8 Air Content (%): 2.8 Concrete Temp. (F): 73 60 - 90 Ambient Temp. (F): 46 Plastic Unit Wt. (pcf):

Yield (Cu. Yds.):

Client

City of Lee's Summit MO

220 Southeast Green St

Attn: Jeff Thorn

Dept of Public Works/Engineering

* = Field Test Results do not meet project specifications.

Laboratory Test Data

Labora	atory lest	Data			Specimen		Age at	Maximum	Compressive	
Set	Specimen	Avg Diam.	Area	Date	Weight	Date	Test	Load	Strength	Fracture
No.	ID	(in)	(sq in)	Received	(lbs)	Tested	(days)	(lbs)	(psi)	Туре
1	1	4.00	12.57	01/23/17	8.64	01/23/17	3	61,980	4,930	5
1	2			01/23/17	8.64		Hold			
1	3			01/23/17	8.64		Hold			
1	4			01/23/17	8.64		Hold			
1	5			01/23/17	8.62		Hold			
1	6			01/23/17	8.60		Hold			
1	7			01/23/17	8.62		Hold			
1	8			01/23/17	8.64		Hold			
1	9			01/23/17	8.60		Hold			
1	10			01/23/17	8.62		Hold			

Comments: Compressive strength of 3 day cylinders complies with the specified strength. Not tested for plastic unit weight. Tested 2nd Truck(No Cylinders): 9.75", 5.0%, 70 Degrees.

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

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Project

City of Lee's Summit Water Utilities Facility 1200 SE Hamblen Road Lee's Summit, MO

Project Number: 02161442

Samples Made By: Terracon

Services: Sample fresh concrete at the placement locations, perform required field tests and cast compressive strength samples. Standard test methods include ASTM: C31, C39, C138, C143, C172, C173 or C231, C1064 and C1231.

Terracon Rep.: Jack Kollars

Reported To: Casey Williams with Fogel-Anderson Construction

Contractor: Fogel-Anderson Construction

Report Distribution:

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Reviewed By:

Andrew Smith

Test Methods: ASTM C 31, ASTM C39, ASTM C138, ASTM C143, ASTM C172, ASTM C231, ASTM C1064, ASTM C1231

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