

# COMPRESSIVE STRENGTH TEST REPORT

Sample Date: 05/16/2024 Material: CLSM  
Size: Cylinder 4x8  
Lab No.: TUC-4394  
Project Set No.: 4

**Ninyo & Moore**

Geotechnical and Environmental Sciences Consultants  
1991 East Ajo Way, Suite 145  
Tucson AZ 85713  
520.577.7600 | www.ninyoandmoore.com

**Client**  
Pima County  
Attn: Rogelio Flores

**Project**  
Rancho Vistoso Valley Vista Sewer Repair  
601 E. Kalalau Dr.  
Oro Valley AZ 85755  
**Project Number:** 608157001

## Field Test Data

Truck No.: 5763 Ticket No.: 1442625  
Batch Time: 11:14am  
Cast Time: 12:50pm Age (min.): 96  
Load Vol.: 2 cy Cumulative Vol.: 2 yd<sup>3</sup> of 2 tot. yd<sup>3</sup>  
Water Added (gal): 10 Sampled From: Chute  
Cast By: Jose Gonzalez  
No. of Specimens: 5  
Set No.: 1 Spec. Type: Cylinder

## Mix Information

Supplier: Calportland  
Mix No.: 400205  
Product Desc.: Sand Slurry 2.0 Sack  
Admixtures:  
Max Agg. Size:  
Plant: Ina Plant 119

Test	Result	Specified
Temp. (F):	71	
Air Temp. (F):	82	
Slump (in):	4 1/2	
Air Content (%)	N/A	
Unit Weight (pcf):	N/A	

**Environmental Conditions:**  
Partly Cloudy, Arid, Dry, Light Breeze  
**High (F):** 84  
**Low (F):** 63

**Mix Design Strength:** 250  
**Specified Strength:** 250 psi @ 28 days

## Compressive Strength Test Method

Sample No.	Date Tested	Age, days	Maximum Load, lb	Average Diameter or Side, in.	Surface Area, in. <sup>2</sup>	Compressive Strength psi	Average	Fracture Type	Cure	Cap Type	Tested By
1	May 23	7	430	4.00	12.57	30		Type 3	Lab	U	Everett Campbell
2	Jun 13	28	600	3.99	12.50	50		Type 3	Lab	U	Michael Gause
3	Jun 13	28	800	3.99	12.50	60		Type 3	Lab	U	Michael Gause
4	Jun 13	28	780	3.99	12.50	60	60	Type 3	Lab	U	Michael Gause
5	Jul 11	56	880	3.99	12.50	70		Type 3	Lab	U	Michael Gause

Average compressive strength @ 28 days meets specified strength: ☐ Yes ☒ No

## Structure Location / Placement Area:

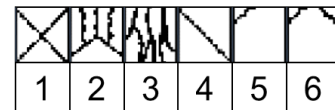
Sewer Line 45ft out of manhole #1 / Sewer Line 45ft out of manhole #1

## Comments:

## Samples prepared and tested in accordance with:

ASTM C31, ASTM C39, ASTM C143, ASTM C172, ASTM C511, ASTM C1064, ASTM C1231

## TYPES OF FRACTURE



Reviewed By:

Print Date: 07/25/2024

Nick Moore / Senior Project Manager