

# COMPRESSIVE STRENGTH TEST REPORT

Sample Date: 05/23/2024 Material: CLSM  
Size: Cylinder 4x8  
Lab No.: TUC-4459  
Project Set No.: 6

**Ninyo & Moore**

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**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.: 1369 Ticket No.: 1444556  
Batch Time: 10:18am  
Cast Time: 11:50am Age (min.): 92  
Load Vol.: 6 cy Cumulative Vol.: 6 yd<sup>3</sup> of 6 tot. yd<sup>3</sup>  
Water Added (gal): 0.0 Sampled From: Chute  
Cast By: Jose Gonzalez  
No. of Specimens: 4  
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):	68	
Air Temp. (F):	84	
Slump (in):	N/A	
Air Content (%)	N/A	
Unit Weight (pcf):	N/A	

**Environmental Conditions:**  
Sunny, Arid, Dry, Light Breeze  
**High (F):** 91  
**Low (F):** 60

**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 30	7	570	4.00	12.57	50		Type 2	Lab	U	Everett Campbell
2	Jun 20	28	970	4.00	12.57	80		Type 3	Lab	U	Michael Gause
3	Jun 20	28	940	4.00	12.57	70	80	Type 3	Lab	U	Michael Gause
4	Jul 18	56	880	4.00	12.57	70		Type 3	Lab	U	Michael Gause

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

## Structure Location / Placement Area:

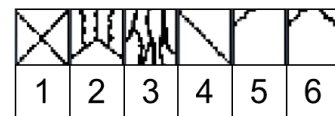
Sewer Line 84ft to 107ft out of manhole #1 / Sewer Line 84ft to 107ft out of manhole #1

## Comments:

## Samples prepared and tested in accordance with:

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

## TYPES OF FRACTURE



Reviewed By:

Print Date: 07/25/2024

Nick Moore / Senior Project Manager