

COMPRESSIVE STRENGTH TEST REPORT

Sample Date: 05/14/2024 Material: CLSM
Size: Cylinder 4x8
Lab No.: TUC-4391
Project Set No.: 3

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.: 4236 Ticket No.: 1442011
Batch Time: 12:00pm
Cast Time: 1:40pm Age (min.): 100
Load Vol.: 4 cy Cumulative Vol.: 4 yd³ of 4 tot. yd³
Water Added (gal): 2 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: Tangerine Plant 773

Test	Result	Specified
Temp. (F):	75	
Air Temp. (F):	91	
Slump (in):	N/A	
Air Content (%)	N/A	
Unit Weight (pcf):	N/A	

Environmental Conditions:

Sunny, Arid, Dry, Calm
High (F): 92
Low (F): 64

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. ²	Compressive Strength psi	Average	Fracture Type	Cure	Cap Type	Tested By
1	May 21	7	690	3.99	12.50	60		Type 3	Lab	U	Everett Campbell
2	Jun 11	28	880	3.99	12.50	70		Type 3	Lab	U	Michael Gause
3	Jun 11	28	880	3.99	12.50	70		Type 3	Lab	U	Michael Gause
4	Jun 11	28	810	3.99	12.50	60	70	Type 3	Lab	U	Michael Gause
5	Jul 09	56	1120	3.99	12.50	90		Type 3	Lab	U	Michael Gause

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

Structure Location / Placement Area:

Sewer Line 28ft out of manhole #1 / 28ft 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