

COMPRESSIVE STRENGTH TEST REPORT

Sample Date: 05/02/2024 Material: Sand slurry
Size: Cylinder 4x8
Lab No.: TUC-4288
Project Set No.: 2

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.: 5763 Ticket No.: 1439323
Batch Time: 11:29pm
Cast Time: 12:40pm Age (min.): 791
Load Vol.: 2 cy Cumulative Vol.: 2 yd³ of 2 tot. yd³
Water Added (gal): 0.0 Sampled From: Chute
Cast By: Tyler Larry
No. of Specimens: 5
Set No.: 2 Spec. Type: Cylinder

Mix Information

Supplier: Calportland
Mix No.: 400205
Product Desc.: SAND SLURRY 2.0 SACK
Admixtures:
Max Agg. Size:
Plant: 115R/TANGERINE

| Test | Result | Specified |
|--------------------|--------|-----------|
| Temp. (F): | 76 | |
| Air Temp. (F): | 83 | |
| Slump (in): | N/A | |
| Air Content (%) | N/A | |
| Unit Weight (pcf): | N/A | |

Environmental Conditions:

High (F): 85
Low (F): 59

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 09 | 7 | 590 | 4.00 | 12.57 | 50 | | Type 5 | Lab | U | Everett Campbell |
| 2 | May 30 | 28 | 560 | 4.00 | 12.57 | 40 | | Type 2 | Lab | U | Everett Campbell |
| 3 | May 30 | 28 | 970 | 4.00 | 12.57 | 80 | | Type 2 | Lab | U | Everett Campbell |
| 4 | May 30 | 28 | 1040 | 4.00 | 12.57 | 80 | 70 | Type 3 | Lab | U | Everett Campbell |
| 5 | Jun 27 | 56 | 1040 | 4.00 | 12.57 | 80 | | Type 3 | Lab | U | Michael Gause |

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

Structure Location / Placement Area:

Base of W HDPE Pipe / Bottom 1' of HDPE Base

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