



6980 Sierra Center Parkway, Suite 90
 Reno, NV 89511

May 25, 2016
 File: 1009

Mr. Chris Benna
RILITE AGGREGATES
 3025 Mill Street
 Reno, NV 89502

RE: Rilite Pit - Fill Sand

Dear Mr. Benna:

Per your request, we have performed testing on the fill sand received by our laboratory on May 23rd. Test results are as follows:

| Sieve Size Analysis (ASTM C136/C117) | |
|--------------------------------------|---------------------------|
| U.S. Standard Sieve Size | Percent By Weight Passing |
| | Rilite Pit Fill Sand |
| ½ Inch | 100 |
| ¾ Inch | 100 |
| No. 4 | 87 |
| No. 8 | 68 |
| No. 16 | 53 |
| No. 30 | 43 |
| No. 50 | 33 |
| No. 100 | 24 |
| No. 200 | 10.1 |

| Atterberg Limits (ASTM D4318) | |
|-------------------------------|------------|
| Liquid Limit | No Value |
| Plasticity Index | Nonplastic |

| Moisture Density (ASTM D1557C) | |
|--------------------------------|-----------|
| Maximum Dry Density | 110.0 PCF |
| Optimum Moisture | 13.0% |

| R-Value (ASTM D2844) | |
|----------------------|----|
| Rilite Pit Fill Sand | 81 |

Mr. Chris Benna
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May 25, 2016
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We appreciate this opportunity to provide our laboratory testing services. If you have any questions or require further information, please do not hesitate to contact us.

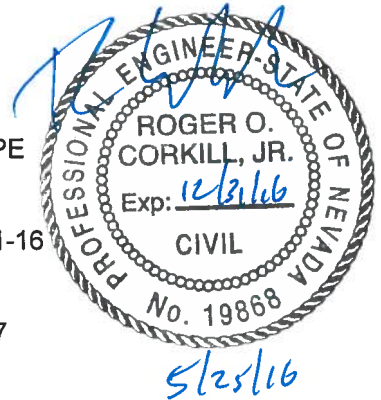
Sincerely,

CONSTRUCTION MATERIALS ENGINEERS, INC.



Steven L. Vineis
Laboratory Manager
svineis@cmenv.com
Direct: 775-737-7568
Mobile: 775-772-9921

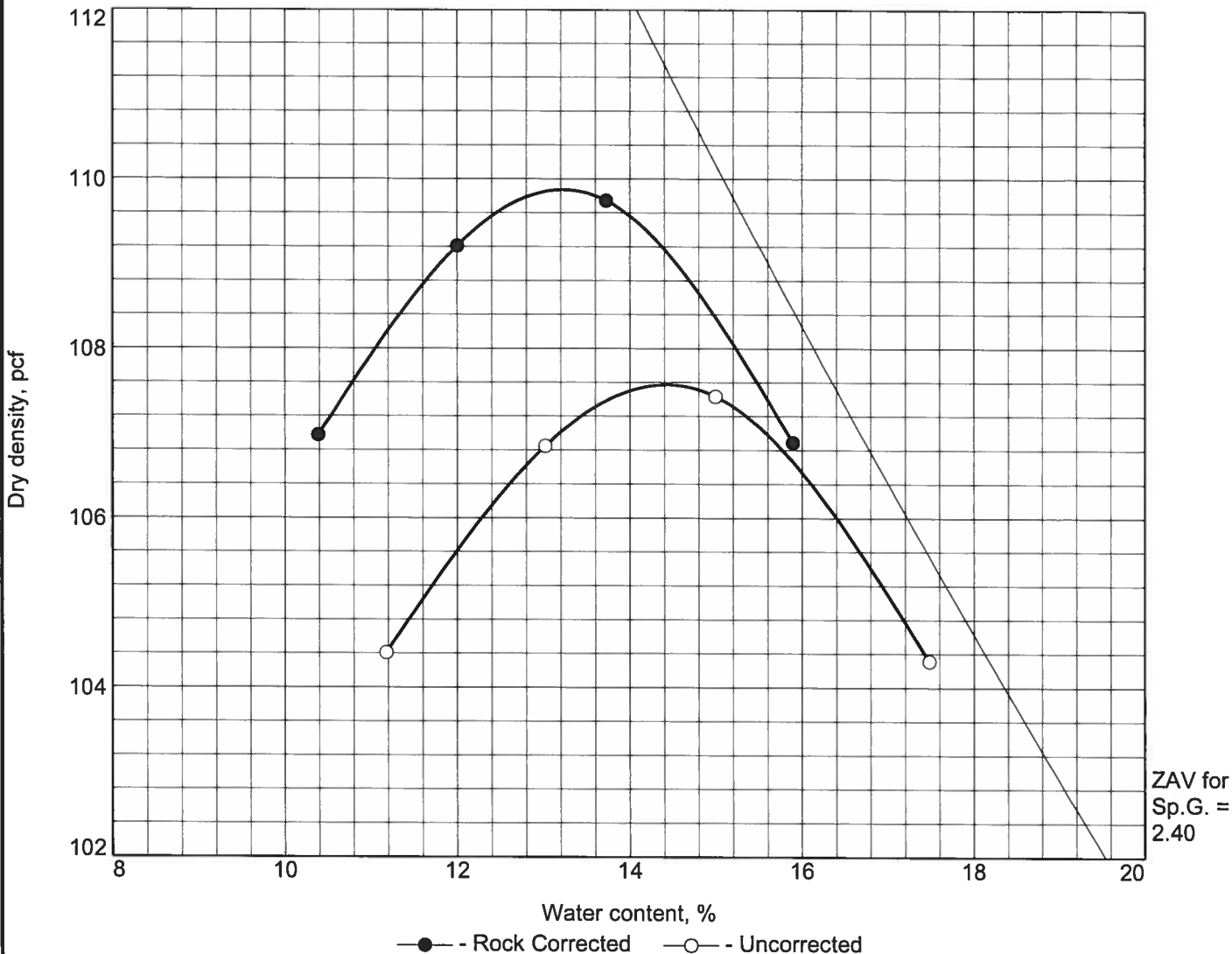
Roger O. Corkill Jr., PE
Project Manager
RE Number 19868
Expiration Date 12-31-16
rcorkill@cmenv.com
Direct: 775-737-7581
Mobile: 775-722-5067



SLV:ROC:jj
Enclosures

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MOISTURE DENSITY CURVE



Test specification: ASTM D 1557-07 Method A Modified
 ASTM D 4718-87 Oversize Corr. Applied to Each Test Point

| Elev/ Depth | Classification | | Nat. Moist. | Sp.G. | LL | PI | % > #4 | % < No.200 |
|----------------|----------------|--------|----------------|-------|----|----|-----------|---------------|
| | USCS | AASHTO | | | | | | |
| | | | | | | | 12.6 | 10.1 |

| ROCK CORRECTED TEST RESULTS | UNCORRECTED | MATERIAL DESCRIPTION |
|---------------------------------|-------------|-------------------------|
| Maximum dry density = 110.0 pcf | 107.5 pcf | FILL SAND RILITE PIT |
| Optimum moisture = 13.0 % | 14.5 % | |

| | |
|---|---------------------------------------|
| Project No. 1009 Client: RILITE AGGREGATES Project: RILITE AGGREGATES-QUALITY TESTING ○ Location: PLANT STOCKPILE Sample Number: 30356 | Remarks: RECEIVED 5/23/2016 |
|---|---------------------------------------|



Figure

Tested By: T. LEGG Checked By: S. VINEIS