

Architecture  
Structural  
Geotechnical



Materials Testing  
Forensic  
Civil/Planning

ROCKY MOUNTAIN GROUP  
EMPLOYEE OWNED

## SUBSURFACE SOIL INVESTIGATION

**Promontory Imagine School Third Filing  
Phase 1  
Greeley, Colorado**

**PREPARED FOR:**

**Journey Homes, LLC  
7251 W. 20th St., L-200  
Greeley, CO 80634**

**JOB NO. 184203**

**September 20, 2021**

**Respectfully Submitted,  
RMG – Rocky Mountain Group**

**Reviewed by,  
RMG – Rocky Mountain Group**

**Raven Moreland  
Geotechnical Staff Engineer**



**Lauren Caruso, P.E.  
Sr. Geotechnical Project Engineer**

## TABLE OF CONTENTS

---

PROJECT DESCRIPTION AND SCOPE.....	3
Project Location.....	3
Project Description.....	3
Scope of Work .....	3
Existing Site Conditions .....	3
FIELD INVESTIGATION AND LABORATORY TESTING.....	4
Subsurface Investigation.....	4
Laboratory Testing.....	4
GEOLOGIC AND SUBSURFACE CONDITIONS .....	4
Geologic Setting .....	4
Soil and Bedrock Profile .....	4
Groundwater .....	5
CONCLUSIONS.....	5
SITE DEVELOPMENT AND EARTHWORK .....	6
Site Preparation.....	6
Excavations.....	6
Geotechnical Considerations .....	6
Foundation Wall Backfill.....	6
Structural Fill.....	7
FOUNDATION OPTIONS .....	7
Anticipated Foundation System.....	7
Open Excavation Observation .....	8
INTERIOR FLOOR SYSTEMS.....	8
Interior Floor Slabs.....	8
Interior Partitions .....	8
LATERAL EARTH PRESSURES .....	8
SURFACE DRAINAGE.....	9
CONCRETE .....	10
CLOSING .....	10
FIGURES	
Site Vicinity Map.....	1
Test Boring Location Plan .....	2
Test Boring Logs .....	3-100
Explanation of Test Boring Logs.....	101
Summary of Laboratory Test Results .....	102
Soil Classification Data.....	103-111
Swell/Consolidation Test Results .....	112-133

# PROJECT DESCRIPTION AND SCOPE

---

## **Project Location**

The project site lies in part of the east half of Section 11 and west half of Section 12, Township 5 North, Range 67 West of the 6<sup>th</sup> P.M., City of Greeley, Colorado. The project site is generally located to the west of the City of Greeley, Colorado. The site is located east of Promontory Parkway and in between Highway 34 Bypass and 16<sup>th</sup> Street. The approximate location of the proposed subdivision is shown in the Site Vicinity Map on Figure 1.

## **Project Description**

The proposed development is to consist of the development of a parcel of vacant agricultural property for residential use. The area of the proposed development is approximately 135 acres. Based on conversations with the client, it is our understanding that the proposed development will consist of single family residences. This investigation includes all lots in Phase 1, to include 197 lots of the total 361 lots of Phase 1 and Phase 2. Lot 361 was unable to be drilled due to inaccessibility, however recommendations for that lot are provided within this report utilizing information gathered from the neighboring lots. The specific lots included in this report are: Lots 1-138, 143-154, 159-171, 207-214, 226-243, and 354-361.

## **Scope of Work**

RMG was retained to assess the soil conditions and develop geotechnical engineering recommendations to support the proposed residential land development. Our scope of services consisted of a field investigation, laboratory testing, engineering analysis, and report preparation.

This report presents geotechnical engineering recommendations for the design of foundations for the single family residences located on the lots listed above. The recommendations in this report are also contingent upon completion of an Open Excavation Observation by RMG, prior to construction of the foundations in order to verify subsurface conditions for the specific excavated site.

The following is excluded from the scope of this report including but not limited to geologic, natural, and environmental hazards such as landslides, unstable slopes, seismicity, snow avalanches, water flooding, corrosive soils, erosion, radon, wild fire protection, hazardous waste, and natural resources.

## **Existing Site Conditions**

At the time of our field exploration, overlot grading was being completed and utilities were being installed in the roadways during our investigation. Curb and gutter had not been installed and roads were not paved. Topography of the site generally sloped down from the northwestern to the southeastern portion of the site. Vegetation was not present at the site during the investigation due to overlot grading.

# FIELD INVESTIGATION AND LABORATORY TESTING

---

The information included in this report has been compiled from field reconnaissance, exploratory soil borings, and soil laboratory testing. Monitoring programs, which typically include instrumentation and/or observations for changes in surface water flows, slope stability, subsidence, and similar conditions, are not known to exist and were not considered applicable for the scope of this report.

## **Subsurface Investigation**

The subsurface conditions at the site were investigated by drilling 196 exploratory test borings, one bore per lot. The lots were identified by the pre-staked sewer connections for each lot that had been previously installed prior to our investigation or whiskers designating property pins to be placed in areas where utilities had not been installed. The bores were advanced near the center of each lot. The approximate locations of the test borings are presented in the Boring Location Plan on Figure 2.

The test borings were advanced with a truck-mounted, continuous-flight auger drill rig to depths of about 20 feet below the existing ground surface (bgs). Soil samples were obtained on five foot intervals from the test borings in general accordance with ASTM D-3550 utilizing a 2½-inch OD modified California sampler and ASTM D-1586 utilizing a 1½-inch Split-Barrel sampler. The approximate depth of groundwater was investigated in each of the test borings at the time of drilling. The static groundwater levels were measured 24 to 96 hours following the completion of drilling. Additionally, the elevations of each test boring were obtained utilizing GPS. The Test Boring Logs are presented in Figures 3 through 100. An Explanation of Test Boring Logs is presented in Figure 101.

## **Laboratory Testing**

The moisture content for the recovered samples was obtained in the laboratory. Grain-size analysis, Atterberg Limits and swell/consolidation tests were performed on selected samples for purposes of classification and to develop pertinent engineering properties. A Summary of Laboratory Test Results is presented in Figure 102. Soil Classification Data and Atterberg Limits are presented in Figures 103 through 111. Swell/Consolidation Test Results are presented in Figures 112 through 133.

# SUBSURFACE CONDITIONS

---

## **Soil and Bedrock Profile**

The subsurface materials encountered in the test borings were classified using the Unified Soils Classification System (USCS). The subsurface materials encountered in the test borings generally consisted of an upper soil that consisted of loose to medium dense silty to clayey sand. Very few lots had an upper material consisting of soft to medium stiff sandy lean clay. Underlying the upper sand or clay soils, bedrock consisting of siltstone with occasional claystone lensing was

encountered in the test borings. The siltstone bedrock was encountered in all but five of the test borings at depths ranging from existing grade and 17 feet below grade. Shallow bedrock (bedrock within 10 feet of grade) was encountered across all areas of Phase 1. The five lots where bedrock was not encountered were Lots 74 through 76, 84 and 100.

Additional descriptions and the interpreted distribution (approximate depths) of the subsurface materials are presented on the Test Boring Logs. The classifications shown on the logs are based upon the engineer's classification of the samples at the depths indicated. Stratification lines shown on the logs represent the approximate boundaries between material types and the actual transitions may be gradual and vary with location.

## **Groundwater**

Groundwater was observed in 26 of the 196 borings at the time of drilling. When checked following the completion of drilling, static groundwater levels were measured in 94 of the 196 test borings. Static groundwater was encountered at depths ranging from 12.5 feet to 20 feet below existing grade. Variations in groundwater and subsurface moisture conditions may occur due to variations in rainfall and other factors not readily apparent at this time. Development of the property and adjacent properties may also affect groundwater levels. The groundwater appears to be a perched condition in the areas of shallow bedrock which means it will be more greatly impacted by surface water.

## **CONCLUSIONS**

---

The following discussion is based on the subsurface conditions encountered in the test borings and on the project characteristics previously described. If conditions are different from those described in this report or the project characteristics change, RMG should be retained to review our recommendations and adjust them, if necessary. The results of this investigation indicate that the site is suitable for the proposed project provided the recommendations presented herein are implemented.

As previously discussed the site is underlain primarily by an upper materials comprised of loose to medium dense silty to clayey sand, very few lots had soft to medium stiff sandy lean clay. The upper soils were underlain by weathered to very hard siltstone bedrock with occasional interbedded claystone lensing. The sand samples tested exhibited consolidations up to 5.1%. The interbedded bedrock samples tested exhibited swells up to 0.8%. The sandy clay samples tested did not exhibit swell or consolidations. All samples were wetted against surcharge pressures of 1,000 pounds per square foot (psf).

Geotechnical recommendations based on the field investigation and laboratory testing are presented below. It must be understood that these recommendations should be verified after the excavation on each individual lot is completed.

# SITE DEVELOPMENT AND EARTHWORK

---

## **Site Preparation**

Prior to construction the ground surface in proposed structure and improvement areas should be stripped of existing vegetation, debris, topsoil, undocumented fill, soft, loose, or disturbed native soils, and other deleterious material. Soil with organic materials generated during clearing operations should be removed from the project site for disposal or placed in areas that will not be supporting structures including sidewalks and streets. Soft, loose, or yielding subgrade should be removed to a depth that exposes firm subgrade and replaced with structural fill. In areas to receive structural fill, the exposed subgrade should be scarified, moisture conditioned, and compacted per the recommendations set forth in the Structural Fill section of this report.

## **Excavations**

The on-site surface and near surface soils may generally be excavated with heavy-duty earthmoving or excavation equipment in good operating condition. Excavations into the bedrock may have variable excavation rates and the use of more aggressive excavation techniques, such as single-shank rippers or other rock breaking equipment, may be needed to achieve proposed site grades, specifically where the very hard siltstone was encountered. During wet weather, earthen berms, swales, or other methods should be used where necessary to route water away from excavations. Water that accumulates in excavations should be promptly pumped out or otherwise removed and the area allowed to dry before resuming construction.

## **Geotechnical Considerations**

Soft/loose and dry soils were encountered at anticipated foundation bearing levels in all areas of Phase 1. Where soft/loose or dry soils are encountered during excavations, they will require additional compaction to achieve the allowable bearing pressures indicated in this report. We recommend reconditioning the soils beneath the foundation components a minimum of two feet prior to constructing the foundation by overexcavating, moisture conditioning and recompacting the soils prior to setting the footing forms. Please reference the Structural Fill section below for compaction recommendations. The use of track-mounted excavation equipment or other low-ground-pressure equipment is recommended to reduce the likelihood of loss of stability during excavation.

## **Foundation Wall Backfill**

Backfill should be placed in loose lifts not exceeding 8 to 12 inches with material no greater than 4 inches in diameter, moisture conditioned to facilitate compaction (usually within 2 percent of the optimum moisture content) and compacted to 90 percent of the maximum dry density as determined by the Standard Proctor test, ASTM D-698 on exterior sides of walls in landscaped areas. In areas where backfill supports pavement and concrete flatwork, the materials should be moisture conditioned to  $\pm 2$  percent optimum moisture content compacted to 95 percent of the maximum dry density as determined by the Standard Proctor test, ASTM D-698.

Fill placed on slopes should be benched into the slope. Maximum bench heights should not exceed 4 feet, and bench widths should be wide enough to accommodate compaction equipment.

The backfill should not be placed on frozen subgrade or allowed to freeze during moisture conditioning and placement. Backfill should be compacted by mechanical means, and foundation walls should be braced during backfilling and compaction.

### **Structural Fill**

Areas to receive compacted granular structural fill should have topsoil, organic material, or debris removed. The upper 6 inches of the exposed surface soils should be scarified and moisture conditioned to facilitate compaction and compacted to a minimum of 95 percent of the maximum dry density as determined by the Standard Proctor test (ASTM D-698) prior to placing structural fill.

Structural fill placed on slopes should be benched into the slope. Maximum bench heights should not exceed 4 feet, and bench widths should be wide enough to accommodate compaction equipment.

Structural fill shall consist of non-expansive material. It should be placed in loose lifts not exceeding 8 to 12 inches, moisture conditioned to facilitate compaction (usually within 2 percent of the optimum moisture content) and compacted to a minimum of 95 percent of the maximum dry density as determined by the Standard Proctor test, ASTM D-698. The materials should be compacted by mechanical means.

Materials used for structural fill should be approved by RMG prior to use. Structural fill should not be placed on frozen subgrade or allowed to freeze during moisture conditioning and placement.

To verify the condition of the compacted soils, density tests should be performed during placement. The first density tests should be conducted when 24 inches of fill have been placed.

## **FOUNDATION OPTIONS**

---

### **Anticipated Foundation Systems**

A spread footing foundation system may be utilized for all lots included in this investigation bearing on the appropriate materials determined during the Open Excavation Observation (i.e. native soils or a minimum of two feet of reconditioned soils due to soft/loose conditions). The maximum allowable bearing pressure of 1,500 psf with a 500 psf minimum dead load requirement may be utilized for design purposes.

Foundation components must be below all organic material and should extend 30 inches or more below the lowest exterior finished grade for frost protection. The foundation design should be prepared by a qualified Colorado Registered Professional Engineer using the recommendations presented in this report. This foundation system should be designed to span a minimum of 10 feet under the design loads.

## **Open Excavation Observations**

During construction, foundation excavations should be observed by RMG prior to placing structural fill, forms or concrete to verify the foundation bearing conditions for each structure.

## **INTERIOR FLOOR SYSTEMS**

---

### **Interior Floor Slabs**

Vertical slab movement up to two inches is considered possible for all soil types. In some cases, vertical movement may exceed this range. If movement and associated damage to floors and finishes cannot be tolerated, a structural floor system should be used.

Floor slabs should be separated from structural components to allow for vertical movement. Control and construction joints should be placed in accordance with the latest guidelines and standards published by the American Concrete Institute (ACI) and applicable local Building Code requirements.

Recommendations for exterior concrete slabs, such as patios, driveways, and sidewalks, are not included in this report.

### **Interior Partitions**

Interior non-bearing partitions and attached furnishings (e.g., cabinets, shower stalls, etc.) on concrete slabs should be constructed with a void so that they do not transmit floor slab movement to the roof or overlying floor. A void of at least 1-1/2 inches is recommended beneath non-bearing partitions. The void may require reconstruction over the life of the structure to re-establish the void due to vertical slab movement.

## **LATERAL EARTH PRESSURES**

---

Foundation walls should be designed to resist lateral earth pressures. For granular, non-expansive backfill materials such as the on-site sand soils, we recommend an active fluid pressure of 50 pcf, an at-rest fluid pressure of 70 pcf, and a passive pressure of 240 pcf be used for design. Expansive soils or bedrock should not be used as backfill against foundation walls.

The above lateral earth pressure applies to level, drained backfill conditions. Equivalent Fluid Pressures for sloping/undrained conditions should be determined on an individual basis.



# **SURFACE DRAINAGE**

---

## **Grading and Irrigation**

The ground surface should be sloped from the building with a minimum gradient of 10 percent for the first 10 feet. This is equivalent to 12 inches of fall across this 10-foot zone. If a 10-foot zone is not possible on the upslope side of the structure, then a well-defined swale should be created a minimum 5 feet from the foundation and sloped parallel with the wall with a minimum slope of 2 percent to intercept the surface water and transport it around and away from the structure. Roof drains should extend across backfill zones and landscaped areas to a region that is graded to direct flow away from the structure. Homeowners should maintain the surface grading and drainage recommended in this report to help prevent water from being directed toward and/or ponding near the foundations.

Landscaping should be selected to reduce irrigation requirements. Plants used close to foundation walls should be limited to those with low moisture requirements and irrigated grass should not be located within 5 feet of the foundation. To help control weed growth, geotextiles should be used below landscaped areas adjacent to foundations. Impervious plastic membranes are not recommended.

Irrigation devices should not be placed within 5 feet of the foundation. Irrigation should be limited to the amount sufficient to maintain vegetation. Application of more water will increase the likelihood of slab and foundation movements.

The recommendations listed in this report are intended to address normal surface drainage conditions, assuming the presence of groundcover (established vegetation, paved surfaces, and/or structures) throughout the regions upslope from this structure. However, groundcover may not be present due to a variety of factors (ongoing construction/development, wildfires, etc.). During periods when groundcover is not present in the "upslope" regions, higher than normal surface drainage conditions may occur, resulting in perched water tables, excess runoff, flash floods, etc. In these cases, the surface drainage recommendations presented herein (even if properly maintained) may not mitigate all groundwater problems or moisture intrusion into the structure. We recommend that the site plan be prepared with consideration of increased runoff during periods when groundcover is not present on the upslope areas.

## **Perimeter Drain**

A subsurface perimeter drain is recommended around portions of the structure which will have habitable or storage space located below the finished ground surface. This includes crawlspace areas but not the walkout trench, if applicable.

The perimeter drain can be installed as an interior (if a minimum of six inches of free draining aggregate is placed beneath the slab) or exterior perimeter drain system. The perforated drainage pipe should be installed so the top of the pipe is not above the top of the footing and should be surrounded by material to reduce the infiltration of silt into the drainage pipe. The pipe should be installed in one of the following manners:

1) The pipe may be installed as level as possible as long as the pipe is placed in a minimum of six inches of gravel or crushed stone and exits into a sump pit with mechanical means to remove the water.

Or

2) The pipe may be installed as a gravity system with a minimum 1/8 inch fall per 1 foot length surrounded by a minimum six inches of gravel or crushed stone that either daylights to allow free flow drainage or exits into a sump pit with mechanical means to remove the water.

A subsurface perimeter drain is designed to intercept some types of subsurface moisture and not others. Therefore, the drain could operate properly and not mitigate all moisture problems relating to foundation performance or moisture intrusion into the basement area.

## CONCRETE

---

Sulfate testing was performed on selected samples based on ASTM C1580. Test results showed up to 0.20% by weight, indicating the soils present Class I (moderate) sulfate exposure. Based on these results high sulfate resistant Type V cement or equivalent mixture according to ACI 201.2R-10 is suggested for concrete in contact with the subsurface materials. Cement type shall be designed and approved by a licensed Colorado Professional Engineer and Foundation Designer. Calcium chloride should not be used for the onsite soils. The concrete should not be placed on frozen ground. If placed during periods of cold temperatures, the concrete should be kept from freezing. This may require covering the concrete with insulated blankets and heating. Concrete work should be completed in accordance with the latest applicable guidelines and standards published by ACI.

## CLOSING

---

This report has been prepared for the exclusive purpose of providing geotechnical engineering information and recommendations for development described in this report. RMG should be retained to review the final construction documents prior to construction to verify our findings, conclusions and recommendations have been appropriately implemented.

This report has been prepared for the exclusive use by **Journey Homes, LLC** for application as an aid in the design and construction of the proposed development in accordance with generally accepted geotechnical engineering practices. The analyses and recommendations in this report are based in part upon data obtained from test borings and site observations. The nature and extent of variations may not become evident until construction. If variations then become evident, RMG should be retained to review the recommendations presented in this report considering the varied condition, and either verify or modify them in writing.

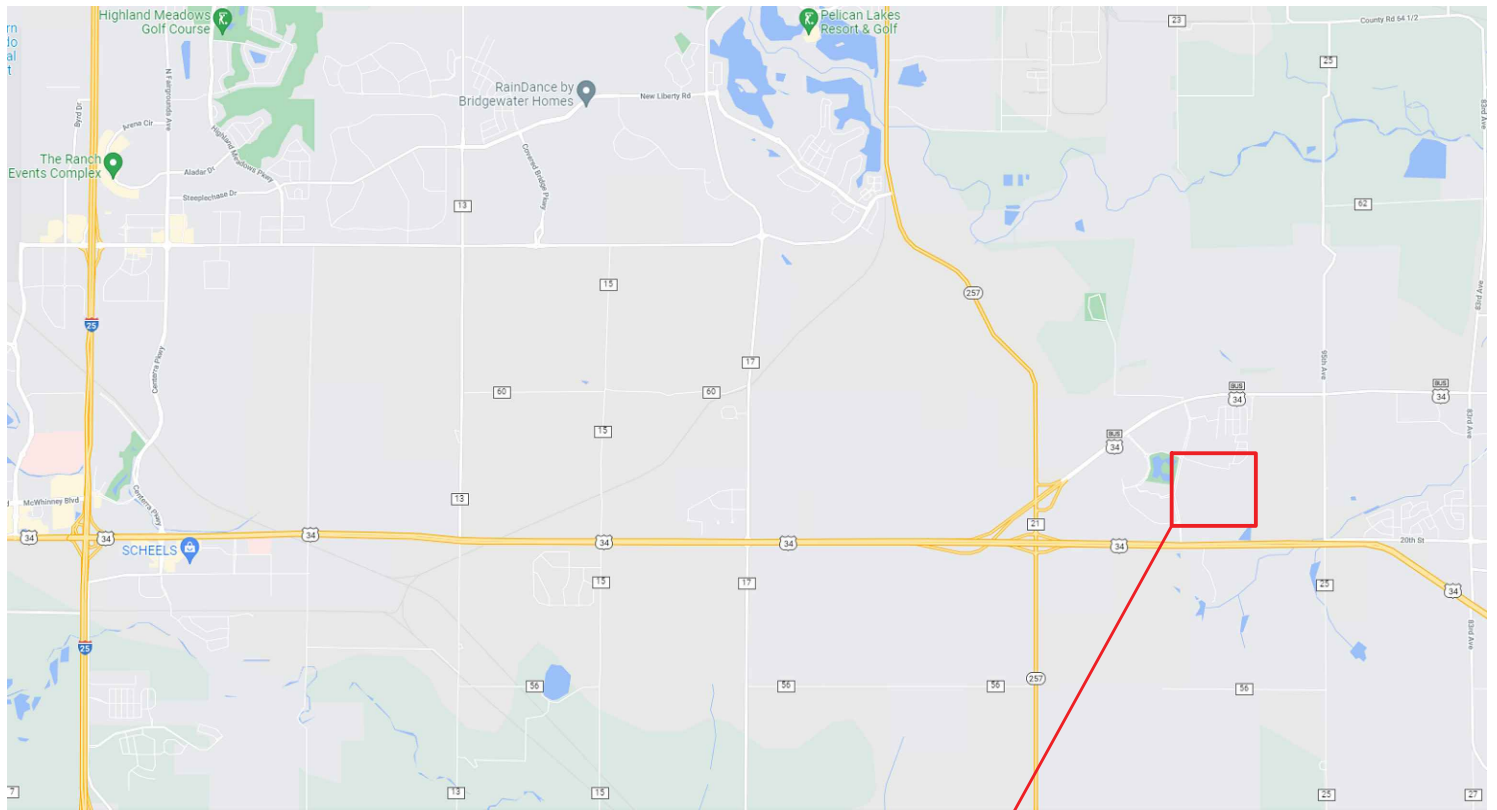
Our professional services were performed using that degree of care and skill ordinarily exercised, under similar circumstances, by geotechnical engineers practicing in this or similar localities.

RMG does not warrant the work of regulatory agencies or other third parties supplying information which may have been used during the preparation of this report. No warranty, express or implied is made by the preparation of this report. Third parties reviewing this report should draw their own conclusions regarding site conditions and specific construction techniques to be used on this project.

The scope of services for this project does not include, either specifically or by implication, environmental assessment of the site or identification of contaminated or hazardous materials or conditions. Development of recommendations for the mitigation of environmentally related conditions, including but not limited to biological or toxicological issues, are beyond the scope of this report. If the Client desires investigation into the potential for such contamination or conditions, other studies should be undertaken.

If we can be of further assistance in discussing the contents of this report or analysis of the proposed development, from a geotechnical engineering point-of-view, please feel free to contact us.

## FIGURES



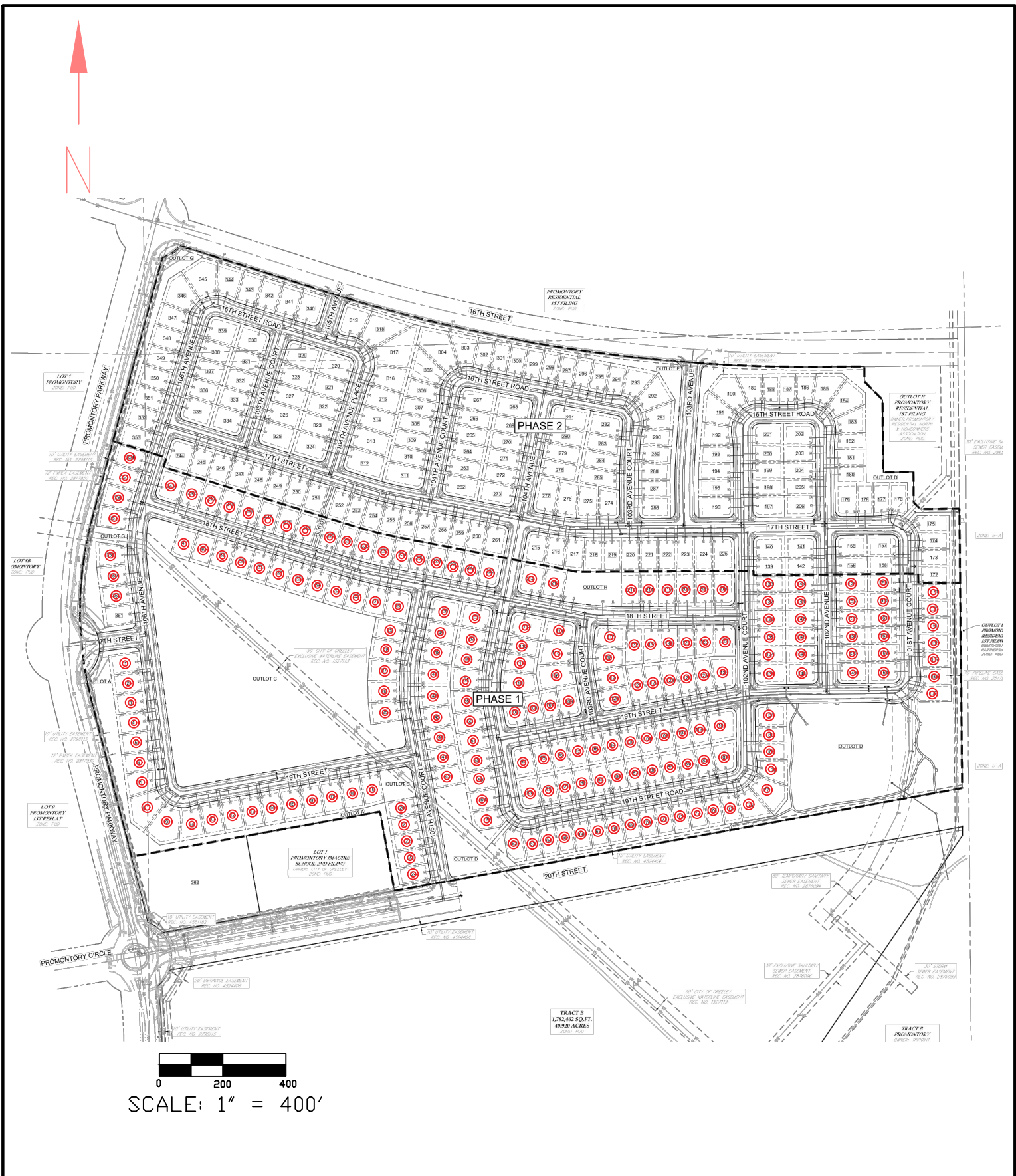
SITE

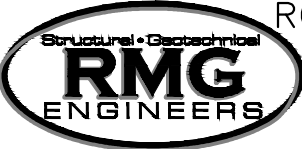
VICINITY MAP  
PROMONTORY SUBDIVISION  
THIRD FILING  
GREELEY, COLORADO

CLIENT :  
JOURNEY HOMES, LLC  
7251 W. 20th ST., BLDG. L, STE. 200  
GREELEY, CO. 80634  
RMG PROJECT #184203  
DATE: 9/17/21



ROCKY MOUNTAIN  
GROUP  
1601 37th STREET  
EVANS, CO. 80620  
PHONE: (970) 330-1071  
FAX: (970) 330-1252



<b>BORE LOCATION PLAN</b> <b>PROMONTORY SUBDIVISION</b> <b>THIRD FILING</b> <b>GREELEY, COLORADO</b>	<b>CLIENT :</b> JOURNEY HOMES, LLC 7251 W. 20th ST., BLDG. L, STE. 200 GREELEY, CO. 80634		 <b>ROCKY MOUNTAIN GROUP</b> 1601 37th STREET EVANS, CO. 80620 PHONE: (970) 330-1071 FAX: (970) 330-1252
	RMG PROJECT #184203		
	DATE: 9/17/21		

LOT No.: <b>Lot 001</b> DATE DRILLED: 8/2/21 ELEVATION (FT): 4951.1 GROUNDWATER @ 17.0 ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 002</b> DATE DRILLED: 8/2/21 ELEVATION (FT): 4950.9 GROUNDWATER @ 17.5 ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown and tan, fine-grained, medium dense, dry	5			20	12.1	SAND, silty brown and tan, fine-grained, loose, dry	5			15	10.2
	10			50/9"	12.8		10			50/6"	9.0
SILTSTONE, sandy brown and tan, medium hard to hard, dry	15			50/6"	17.6	SILTSTONE, sandy brown and tan, hard, dry	15			50/4"	15.9
	20			50/6"	17.9		20			50/5"	19.3

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

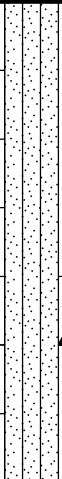

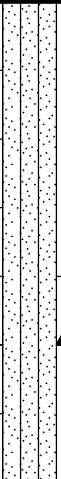

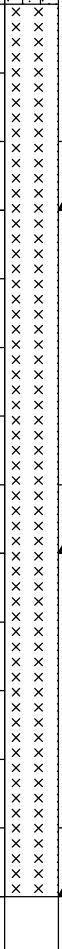

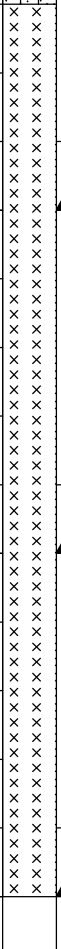

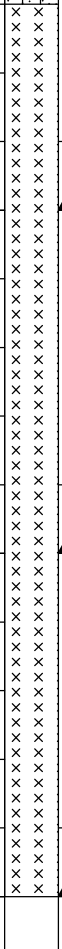

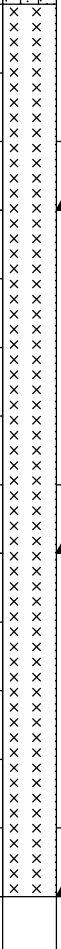



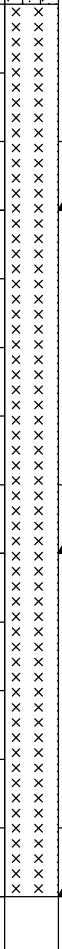

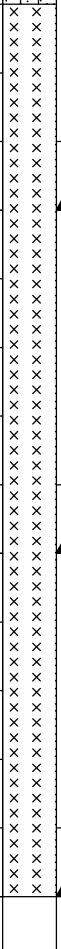

JOB No. 184203

FIGURE No. 3

DATE Sep/16/2021

DATE Sep/16/2021



LOT No.: <b>Lot 005</b> DATE DRILLED: 8/2/21 ELEVATION (FT): 4950.3 GROUNDWATER @ 18.0 ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 006</b> DATE DRILLED: 8/2/21 ELEVATION (FT): 4949.4 GROUNDWATER @ 18.0 ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown and tan, fine-grained, medium dense, dry	5			28	5.6	SAND, silty brown, fine-grained, loose, dry	5			9	11.5
SILTSTONE, sandy brown, tan and orange, hard, dry	10			50/6"	18.5	SILTSTONE, sandy brown and tan, medium hard to hard, dry	10			50/8"	14.7
	15			50/4"	17.7		15			50/6"	16.1
											
	20			50/5"	17.4		20			50/6"	16.5

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 5

DATE Sep/16/2021

LOT No.: <b>Lot 007</b> DATE DRILLED: 8/2/21 ELEVATION (FT): 4948.8 GROUNDWATER @ Dry ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 008</b> DATE DRILLED: 8/2/21 ELEVATION (FT): 4948.4 GROUNDWATER @ Dry ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine to coarse-grained, medium dense, dry	5			21	6.9	SAND, silty brown, fine-grained, loose, dry	5			15	3.2
SILTSTONE brown and tan, firm to hard, dry	10			41	13.5	SILTSTONE, with claystone lens brown, tan and grey, medium hard to hard, dry	10			50/10"	14.3
	15			50/5"	18.2	little to no claystone	15			50/4"	16.5
	20			50/4"	16.8	moist	20			50/4"	19.6

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 6

DATE Sep/16/2021

LOT No.: <b>Lot 009</b> DATE DRILLED: 8/2/21 ELEVATION (FT): 4948.3 GROUNDWATER @ Dry ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 010</b> DATE DRILLED: 8/2/21 ELEVATION (FT): 4947.9 GROUNDWATER @ Dry ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, dry	5			10	4.2	SAND, silty brown, fine-grained, loose, dry	5			8	8.0
SILTSTONE, with claystone lens brown and tan, medium hard to hard, dry	10			50/10"	15.1	SILTSTONE, sandy brown, tan and orange, medium hard to hard, dry	10			50/10"	16.0
little to no claystone, orange	15			50/5"	15.6		15			50/4"	14.3
moist	20			50/4"	18.5		20			50/4"	18.9

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 7

DATE Sep/16/2021

LOT No.: <b>Lot 011</b> DATE DRILLED: 8/2/21 ELEVATION (FT): 4947.5 GROUNDWATER @ Dry ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 012</b> DATE DRILLED: 8/2/21 ELEVATION (FT): 4947.4 GROUNDWATER @ Dry ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, dry	5			6	11.9	SAND, silty brown, fine-grained, loose, dry	5			9	9.1
SILTSTONE, with claystone lens brown, tan and grey, weathered to hard, dry	10			27	25.1	SILTSTONE, with claystone lens brown and grey, hard, dry	10			50/7"	18.9
little to no claystone lensing	15			50/5"	16.2		15			50/6"	13.4
	20			50/5	18.1		20			50/4"	17.8

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 8

DATE Sep/16/2021

LOT No.: <b>Lot 013</b> DATE DRILLED: 8/2/21 ELEVATION (FT): 4946.8 GROUNDWATER @ Dry ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 014</b> DATE DRILLED: 8/2/21 ELEVATION (FT): 4946.4 GROUNDWATER @ Dry ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, dry	5			5	7.1	SAND, silty brown, fine-grained, loose, dry	5			7	15.2
SILTSTONE, with claystone lens brown, tan and grey, firm to hard, dry	10			35	20.9	SILTSTONE brown and tan, medium hard to hard, dry	10			50/12"	10.7
little to no claystone lens	15			50/6"	19.2		15			50/5"	13.7
	20			50/5"	15.9		20			50/6"	15.7

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 9

DATE Sep/16/2021

LOT No.: <b>Lot 015</b> DATE DRILLED: 8/2/21 ELEVATION (FT): 4945.9 GROUNDWATER @ Dry ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 016</b> DATE DRILLED: 7/28/21 ELEVATION (FT): 4944.7 GROUNDWATER @ Dry ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown and tan, fine-grained, loose, dry	5			6	8.7	SILTSTONE, olive and tan, firm to hard, dry to moist	5			43	13.2
SILTSTONE, with claystone lens brown, tan and grey, weathered to hard, dry	10			27	20.7		10			50/8"	24.4
little to no claystone lensing	15			50/5"	14.9	with claystone lensing, grey and orange	15			50/5"	18.1
	20			50/6"	15.5		20			50/5"	14.7

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 10

DATE Sep/16/2021

LOT No.: <b>Lot 017</b> DATE DRILLED: 7/28/21 ELEVATION (FT): 4944.3 GROUNDWATER @ Dry ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 018</b> DATE DRILLED: 7/28/21 ELEVATION (FT): 4943.2 GROUNDWATER @ Dry ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown and tan, fine-grained, loose, dry to moist	5			12	7.6	SAND, silty brown, fine-grained, loose, dry	5			11	6.1
SILTSTONE, with claystone lens tan, orange and grey, firm to hard, dry to moist	10			37	18.1		10			18	7.1
	15			50/6"	19.3	SILTSTONE, tan and orange, firm to hard, dry	15			50/9"	18.2
	20			50/5"	15.5		20			50/5"	14.8

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 11

DATE Sep/16/2021

LOT No.: <b>Lot 019</b> DATE DRILLED: 7/28/21 ELEVATION (FT): 4941.7 GROUNDWATER @ Dry ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 020</b> DATE DRILLED: 7/28/21 ELEVATION (FT): 4938.3 GROUNDWATER @ Buried ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, dry to moist	5			8	8.3	SAND, silty brown, fine-grained, loose to medium stiff, dry to moist	5			10	8.4
	10			50/8"	19.3		10			24	15.5
SILTSTONE, with claystone lens tan and orange, hard, dry	15			50/5"	13.7	SILTSTONE tan and orange, hard, dry to moist	15			50/5"	15.9
	20			50/4"	14.2		20			50/4"	10.7
						olive and orange					

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning





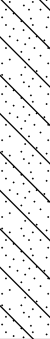





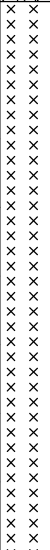





## TEST BORING LOGS

JOB No. 184203

FIGURE No. 12

DATE Sep/16/2021



LOT No.: <b>Lot 021</b> DATE DRILLED: 7/28/21 ELEVATION (FT): 4938.8 GROUNDWATER @ Dry ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 022</b> DATE DRILLED: 7/28/21 ELEVATION (FT): 4938.8 GROUNDWATER @ Dry ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, dry to moist	5			7	10.7	SAND, silty brown, fine-grained, loose, dry to moist	5			6	7.9
SAND, clayey, silty light grey and orange, medium dense, moist	10			23	12.3	SAND, silty brown, fine-grained, loose, dry to moist	10			11	6.9
SILTSTONE light brown and orange, hard to very hard, dry to moist	15			50/3"	11.2	SILTSTONE tan and orange, medium hard to hard, dry to moist	15			50/10"	21.0
	20			50/6"	15.6		20			50/5"	17.9

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 13

DATE Sep/16/2021

LOT No.: <b>Lot 023</b> DATE DRILLED: 7/28/21 ELEVATION (FT): 4938.7 GROUNDWATER @ Dry ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 024</b> DATE DRILLED: 7/28/21 ELEVATION (FT): 4938.4 GROUNDWATER @ Dry ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown and orange, fine-grained, loose, dry to moist	5			7	6.8	SAND, silty brown, fine-grained, loose, dry to moist	5			10	5.2
	10			14	7.0		10			14	9.1
	15			18	6.3		15			50/7"	11.2
SILTSTONE, with claystone lens olive, orange and tan, hard, dry to moist						SILTSTONE orange and brown, hard, dry to moist					
	20			50/5"	20.2	olive, moist	20			50/5"	16.3

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 14

DATE Sep/16/2021

DATE Sep/16/2021

LOT No.: <b>Lot 027</b> DATE DRILLED: 7/27/21 ELEVATION (FT): 4931.7 GROUNDWATER @ 19.0 ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 028</b> DATE DRILLED: 7/27/21 ELEVATION (FT): 4930.7 GROUNDWATER @ 18.5 ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, dry to moist	5			12	12.4	SAND, silty brown, fine-grained, loose, dry to moist	5			5	9.2
	10			50/7"	10.7		10			50/7"	10.1
SILTSTONE, sandy tan and brown, hard, dry	15			50/6"	18.2	SILTSTONE, sandy tan and brown, hard, dry	15			50/7"	25.8
moist	20			50/6"	22.0	moist	20			50/6"	21.9

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 16

DATE Sep/16/2021

LOT No.: <b>Lot 029</b> DATE DRILLED: 7/27/21 ELEVATION (FT): 4930.4 GROUNDWATER @ 18.0 ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 030</b> DATE DRILLED: 7/29/21 ELEVATION (FT): 4929.2 GROUNDWATER @ 18.0 ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, dry	5			8	5.2	SAND, silty brown, fine-grained, loose, dry	5			10	8.9
SILTSTONE, sandy tan and brown, medium hard to hard, dry	10			50/9"	10.7	SILTSTONE, sandy tan and brown, hard, dry	10			50/6"	12.0
moist	15			50/7"	20.6	moist	15			50/6"	23.9
	20			50/6"	18.1		20			50/5"	19.2

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 17

DATE Sep/16/2021

LOT No.: <b>Lot 031</b> DATE DRILLED: 7/29/21 ELEVATION (FT): 4931.2 GROUNDWATER @ 18.5 ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 032</b> DATE DRILLED: 7/29/21 ELEVATION (FT): 4933.1 GROUNDWATER @ 19.0 ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, moist	5			9	7.2	SAND, silty brown, fine-grained, loose, dry	5			12	5.8
SILTSTONE, sandy tan and brown, medium hard to hard, moist	10			50/8"	11.4	SILTSTONE, sandy tan and brown, firm to hard, moist	10			37	11.2
	15			50/4"	23.2		15			50/7"	21.0
moist to wet	20			50/4"	23.6		20			50/5"	22.1

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 18

DATE Sep/16/2021

LOT No.: <b>Lot 033</b> DATE DRILLED: 7/29/21 ELEVATION (FT): 4934.5 GROUNDWATER @ Dry ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 034</b> DATE DRILLED: 7/29/21 ELEVATION (FT): 4936.3 GROUNDWATER @ Dry ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, dry	5			13	9.5	SAND, silty brown, fine-grained, loose, moist	5			11	8.2
	10			17	10.5	SILTSTONE tan and brown, medium hard to hard, moist	10			50/9"	11.6
SILTSTONE tan and brown, medium hard to hard, moist	15			50/0"	6.8		15			50/8"	17.9
cemented layer	20			50/6"	21.5		20			50/5"	24.2

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO





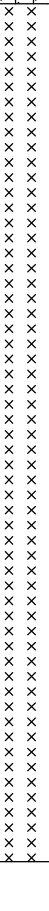

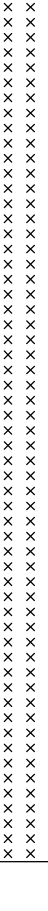

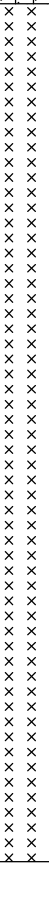

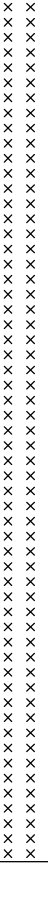

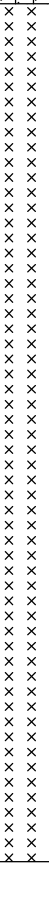

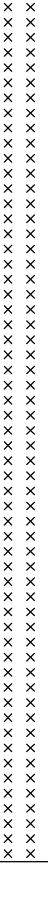

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 19

DATE Sep/16/2021

LOT No.: <b>Lot 035</b> DATE DRILLED: 7/29/21 ELEVATION (FT): 4938.1 GROUNDWATER @ Dry ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 036</b> DATE DRILLED: 7/29/21 ELEVATION (FT): 4940.4 GROUNDWATER @ Dry ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, moist	5			11	8.9	SAND, silty brown, fine-grained, loose, moist	5			13	6.5
SILTSTONE, sandy tan and brown, medium hard to hard, moist	10			50/9"	13.3	SILTSTONE brown, hard to very hard, dry	10			50/6"	11.2
	15			50/7"	23.5		15			50/3"	24.3
	20			50/4"	16.5		20			50/5"	25.6

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 20

DATE Sep/16/2021



LOT No.: <b>Lot 037</b> DATE DRILLED: 7/29/21 ELEVATION (FT): 4942.1 GROUNDWATER @ Dry ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 038</b> DATE DRILLED: 7/29/21 ELEVATION (FT): 4944.1 GROUNDWATER @ Dry ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, dry to moist	5			12	6.7	SAND, silty brown, fine-grained, loose, moist	5			16	5.9
SILTSTONE, sandy tan and brown, medium hard to hard, dry	10			50/10"	11.0	SILTSTONE, sandy tan and brown, medium hard to hard, dry	10			50/9"	10.3
	15			50/6"	21.9		15			50/7"	16.7
cemented layer	20			50/0"	6.9		20			50/10"	23.2

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 21

DATE Sep/16/2021

LOT No.: <b>Lot 039</b> DATE DRILLED: 7/29/21 ELEVATION (FT): 4945.7 GROUNDWATER @ Dry ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 040</b> DATE DRILLED: 7/29/21 ELEVATION (FT): 4946.7 GROUNDWATER @ Dry ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, medium dense, moist	5			22	7.5	SAND, silty brown, fine-grained, loose, dry	5			16	8.6
SILTSTONE, sandy tan and brown, medium hard to hard, moist	10			50/12"	11.4	SILTSTONE, sandy tan and brown, medium hard to hard, dry	10			50/9"	10.6
	15			50/6"	22.6	moist	15			50/7"	25.0
	20			50/5"	22.8	moist to wet	20			50/5"	25.0

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 22

DATE Sep/16/2021

LOT No.: <b>Lot 041</b> DATE DRILLED: 7/29/21 ELEVATION (FT): 4948.6 GROUNDWATER @ Dry ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 042</b> DATE DRILLED: 7/26/21 ELEVATION (FT): 4936.3 GROUNDWATER @ Dry ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, moist	5			27	8.1	SAND, silty brown, fine-grained, loose to medium dense, dry	5			23	7.6
SILTSTONE, sandy tan and brown, medium hard to hard, dry	10			50/7"	9.2		10			16	10.2
cemented layer	15			50/0	4.6	cemented layer	15			50/0"	8.0
moist	20			50/4"	17.8	SILTSTONE, sandy tan and brown, hard, dry	20			50/6"	14.7

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 23

DATE Sep/16/2021

LOT No.: <b>Lot 043</b> DATE DRILLED: 7/26/21 ELEVATION (FT): 4936.0 GROUNDWATER @ Dry ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 044</b> DATE DRILLED: 7/26/21 ELEVATION (FT): 4935.5 GROUNDWATER @ Dry ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, medium dense, dry	5			28	9.8	SAND, silty brown, fine-grained, medium dense, dry to moist	5			25	9.2
SILTSTONE tan and brown, medium hard to hard, dry	10			50/12"	12.7	SILTSTONE tan and brown, medium hard to hard, dry	10			50/8"	13.9
sandy	15			50/4"	8.9		15			50/6"	11.6
	20			50/4"	12.6	moist	20			50/5"	17.5

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 24

DATE Sep/16/2021

LOT No.: <b>Lot 045</b> DATE DRILLED: 7/26/21 ELEVATION (FT): 4934.6 GROUNDWATER @ Dry ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 046</b> DATE DRILLED: 7/26/21 ELEVATION (FT): 4933.4 GROUNDWATER @ Dry ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, medium dense, dry to moist	5			20	10.1	SAND, silty brown, fine-grained, loost medium dense, dry to moist	5			21	7.1
SILTSTONE tan and brown, medium hard to hard, dry	10			50/8"	8.9	SILTSTONE tan and brown, hard, dry to moist	10			18	11.8
	15			50/6"	9.7		15			50/6"	10.7
	20			50/5"	18.8	moist	20			50/7"	17.5

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 25

DATE Sep/16/2021

LOT No.: <b>Lot 047</b> DATE DRILLED: 7/26/21 ELEVATION (FT): 4931.5 GROUNDWATER @ Dry ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 048</b> DATE DRILLED: 7/26/21 ELEVATION (FT): 4930.3 GROUNDWATER @ Dry ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, medium dense, dry to moist	5			24	6.5	SAND, silty brown, fine-grained, loose, dry to moist	5			11	7.2
	10			20	11.1		10			17	10.1
SILTSTONE tan and brown, medium hard to hard, dry to moist	15			50/7"	12.2	SILTSTONE tan and brown, medium hard to hard, dry to moist	15			50/7"	14.6
	20			50/7"	22.5		20			50/6"	26.3

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 26

DATE Sep/16/2021

LOT No.: <b>Lot 049</b> DATE DRILLED: 7/26/21 ELEVATION (FT): 4929.1 GROUNDWATER @ 20.0 ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 050</b> DATE DRILLED: 7/26/21 ELEVATION (FT): 4927.8 GROUNDWATER @ 18.5 ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, dry	5			10	9.3	SAND, silty brown, fine-grained, loose, dry	5			8	6.6
SILTSTONE tan and brown, weathered to hard, dry	10			23	11.1	SILTSTONE tan and brown, medium hard to hard, moist	10			11	9.1
moist	15			50/7"	18.3		15			50/11"	24.6
	20			50/6"	17.5		20			50/5"	21.5

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 27

DATE Sep/16/2021

LOT No.: <b>Lot 051</b> DATE DRILLED: 7/26/21 ELEVATION (FT): 4925.6 GROUNDWATER @ 17.0 ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 052</b> DATE DRILLED: 7/26/21 ELEVATION (FT): 4926.6 GROUNDWATER @ 20.0 ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, dry to moist	5			10	10.7	SAND, silty brown, fine-grained, loose, dry to moist	5			15	9.3
SILTSTONE tan and brown, firm to hard, moist	10			7	7.7	SILTSTONE tan and brown, medium hard to hard, moist	10			11	10.8
moist to wet	15			30	21.7		15			50/11"	20.7
	20			50/5"	24.5		20			50/6"	19.1

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 28

DATE Sep/16/2021



LOT No.: <b>Lot 053</b> DATE DRILLED: 7/26/21 ELEVATION (FT): 4927.3 GROUNDWATER @ Buried ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 054</b> DATE DRILLED: 7/26/21 ELEVATION (FT): 4927.8 GROUNDWATER @ Dry ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, dry to moist	5			9	8.1	SAND, silty brown, fine-grained, loose, dry to moist	5			8	13.2
orange and tan	10			9	7.5	SILTSTONE tan and brown, firm to hard, dry	10			42	9.3
SILTSTONE tan and brown, medium hard to hard, moist	15			50/10"	15.4	moist	15			50/9"	12.3
	20			50/5"	18.2		20			50/6"	17.5

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 29

DATE Sep/16/2021

LOT No.: <b>Lot 055</b> DATE DRILLED: 7/26/21 ELEVATION (FT): 4928.0 GROUNDWATER @ Dry ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 056</b> DATE DRILLED: 7/26/21 ELEVATION (FT): 4928.3 GROUNDWATER @ Dry ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty, clayey brown, fine-grained, loose, dry to moist	5			6	8.0	SAND, silty brown, fine-grained, loose, dry	5			14	14.3
	10			50/9"	9.0		10			50/7"	9.3
SILTSTONE tan and brown, medium hard to hard, dry	15			50/6"	14.4	SILTSTONE tan and brown, hard to very hard, dry	15			50/6"	14.1
moist	20			50/6"	18.2		20			50/0"	5.6

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 30

DATE Sep/16/2021

LOT No.: <b>Lot 057</b> DATE DRILLED: 7/26/21 ELEVATION (FT): 4928.7 GROUNDWATER @ Dry ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 058</b> DATE DRILLED: 7/27/21 ELEVATION (FT): 4928.9 GROUNDWATER @ Dry ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, dry						SAND, silty brown, fine-grained, dry					
SILTSTONE tan and brown, weathered to hard, dry	5			29	14.0	SILTSTONE tan and brown, medium hard to hard, dry	5			20	16.1
	10			50/6"	9.1	claystone lensing	10			50/11"	21.6
	15			50/6"	25.6	no claystone lensing	15			50/5"	12.0
moist	20			50/5"	19.2		20			50/6"	19.5

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 31

DATE Sep/16/2021

LOT No.: <b>Lot 059</b> DATE DRILLED: 7/27/21 ELEVATION (FT): 4929.0 GROUNDWATER @ Dry ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 060</b> DATE DRILLED: 7/27/21 ELEVATION (FT): 4928.3 GROUNDWATER @ Dry ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty, clayey brown and grey, fine-grained, loose, dry	5			16	10.7	SAND, silty brown and tan, fine-grained, loose, dry to moist	5			17	11.9
SILTSTONE tan and brown, hard, dry	10			50/6"	13.1	SILTSTONE tan and brown, hard, dry	10			50/6"	16.2
moist	15			50/6"	12.2	moist	15			50/5"	12.7
	20			50/6"	17.9		20			50/6"	18.2

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 32

DATE Sep/16/2021

Architectural  
Structural  
Forensics



Colorado Springs: (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Spings, CO 80918  
(719) 548-0600

SOUTHERN COLORADO. DENVER METRO. NORTHERN COLORADO

DATE Sep/16/2021

LOT No.: <b>Lot 063</b> DATE DRILLED: 7/8/21 ELEVATION (FT): 4925.1 GROUNDWATER @ Dry ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 064</b> DATE DRILLED: 7/8/21 ELEVATION (FT): 4923.6 GROUNDWATER @ Dry ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, moist	5			5	9.5	SAND, silty brown, fine-grained, loose to dense, moist	5			4	9.5
SILTSTONE orange and brown, medium hard to very hard, moist	10			50/10"	17.1	light gravel fine to coarse-grained	10			50/10"	10.2
	15			50/7"	12.8	SILTSTONE tan and brown, medium hard to hard, dry	15			50/7"	12.6
	20			50/1"	14.6	moist	20			50/5"	18.8

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 34

DATE Sep/16/2021

LOT No.: <b>Lot 065</b> DATE DRILLED: 7/8/21 ELEVATION (FT): 4922.1 GROUNDWATER @ Dry ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 066</b> DATE DRILLED: 7/8/21 ELEVATION (FT): 4920.3 GROUNDWATER @ Dry ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, moist	5			4	9.7	SAND, silty brown, fine-grained, loose, moist	5			6	6.7
SILTSTONE orange and brown, medium hard to hard, dry to moist	10			50/8"	16.9	SILTSTONE tan and brown, hard, dry	10			50/8"	10.4
	15			50/6"	14.1		15			50/6"	14.8
	20			50/6"	20.8		20			50/6"	19.3

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 35

DATE Sep/16/2021

LOT No.: <b>Lot 067</b> DATE DRILLED: 7/8/21 ELEVATION (FT): 4918.8 GROUNDWATER @ Dry ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 068</b> DATE DRILLED: 7/8/21 ELEVATION (FT): 4917.6 GROUNDWATER @ Dry ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, moist	5			15	7.4	SAND, silty brown, fine-grained, medium dense, moist	5			22	9.3
SILTSTONE tan and brown, medium hard to hard, moist	10			50/10"	13.5	SILTSTONE tan and brown, medium hard to hard, dry	10			50/9"	10.4
	15			50/7"	18.3		15			50/6"	18.7
	20			50/6"	24.6	moist	20			50/6"	19.4

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 36

DATE Sep/16/2021



LOT No.: <b>Lot 069</b> DATE DRILLED: 7/8/21 ELEVATION (FT): 4917.3 GROUNDWATER @ Dry ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 070</b> DATE DRILLED: 7/8/21 ELEVATION (FT): 4917.5 GROUNDWATER @ Dry ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, medium dense, moist	5			21	12.0	SAND, silty brown, fine-grained, loose to medium dense, moist	5			19	13.1
	10			49	9.7		10			6	8.2
SILTSTONE tan and brown, firm to hard, dry	15			50/8"	13.7	SILTSTONE tan and brown, firm to hard, dry	15			36	11.6
	20			50/6"	23.5		20			50/7"	20.8
moist						moist					

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 37

DATE Sep/16/2021

LOT No.: <b>Lot 071</b> DATE DRILLED: 7/8/21 ELEVATION (FT): 4917.3 GROUNDWATER @ Dry ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 072</b> DATE DRILLED: 7/8/21 ELEVATION (FT): 4917.2 GROUNDWATER @ Dry ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose to medium dense, moist	5			19	12.3	SAND, silty brown, fine-grained, loose to medium dense, moist	5			19	12.6
	10			15	9.4		10			31	10.4
SILTSTONE tan and brown, medium hard to hard, dry	15			50/10"	12.6	SILTSTONE tan and brown, medium hard to hard, dry	15			9	13.1
	20			50/7"	22.4		20			50/8"	20.3

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 38

DATE Sep/16/2021

LOT No.: <b>Lot 073</b> DATE DRILLED: 7/8/21 ELEVATION (FT): 4916.4 GROUNDWATER @ 20.0 ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 074</b> DATE DRILLED: 7/12/21 ELEVATION (FT): 4916.1 GROUNDWATER @ 18.5 ' 7/14/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose to medium dense, moist	5			23	11.6	SAND, silty brown, fine-grained, loose to medium dense, dry	5			18	10.2
	10			27	11.8		10			42	12.1
	15			12	13.2	moist	15			17	14.7
SILTSTONE tan and brown, medium hard to hard, moist	20			50/8"	22.2		20			18	29.0

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 39

DATE Sep/16/2021

LOT No.: <b>Lot 075</b> DATE DRILLED: 7/12/21 ELEVATION (FT): 4915.8 GROUNDWATER @ 18.0 ' 7/14/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 076</b> DATE DRILLED: 7/12/21 ELEVATION (FT): 4915.3 GROUNDWATER @ 17.5 ' 7/14/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose to medium dense, moist	5			21	8.9	SAND, silty brown, fine-grained, loose to medium dense, moist	5			24	9.8
	10			23	12.5		10			30	15.1
	15			4	16.5		15			10	17.3
moist to wet	20			13	22.9	wet	20			11	

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 40

DATE Sep/16/2021

LOT No.: <b>Lot 077</b> DATE DRILLED: 7/12/21 ELEVATION (FT): 4915.1 GROUNDWATER @ 18.0 ' 7/14/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 078</b> DATE DRILLED: 7/12/21 ELEVATION (FT): 4915.2 GROUNDWATER @ 18.0 ' 7/14/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose to medium dense, moist	5			22	10.4	SAND, silty brown, fine-grained, loose to medium dense, moist	5			20	10.4
SILTSTONE orange and brown, medium hard, moist	10			34	12.5	SILTSTONE tan and orange, medium hard, moist	10			15	10.5
	15			5	16.6		15			10	15.9
SILTSTONE orange and brown, medium hard, moist	20			50/11"	24.4	SILTSTONE tan and orange, medium hard, moist	20			50/9"	23.5

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 41

DATE Sep/16/2021

LOT No.: <b>Lot 079</b> DATE DRILLED: 7/12/21 ELEVATION (FT): 4914.5 GROUNDWATER @ 17.0 ' 7/14/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 080</b> DATE DRILLED: 7/13/21 ELEVATION (FT): 4914.3 GROUNDWATER @ 17.0 ' 7/14/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose to medium dense, moist	5			20	10.2	SAND, silty brown, fine-grained, loose to medium dense, dry to moist	5			22	12.1
	10			6	10.5		10			12	10.3
	15			28	18.4		15			50/9"	21.1
SILTSTONE tan and brown, weathered to hard, moist						SILTSTONE tan and brown, medium hard to hard, dry to moist					
	20			50/6"	26.3		20			50/6"	24.2

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 42

DATE Sep/16/2021

LOT No.: <b>Lot 081</b> DATE DRILLED: 7/13/21 ELEVATION (FT): 4914.1 GROUNDWATER @ 16.0 ' 7/14/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 082</b> DATE DRILLED: 7/13/21 ELEVATION (FT): 4916.0 GROUNDWATER @ 20.0 ' 7/14/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, dry to moist	5			12	9.6	SAND, silty brown, fine-grained, loose to medium dense, moist	5			23	15.4
	10			12	11.5		10			8	7.7
	15			50/9"	44.6	SILT, sandy brown, orange, loose, moist	15			6	18.7
SILTSTONE tan and brown, medium hard to hard, moist	20			50/6"	29.2	SILTSTONE tan and brown, weathered, wet	20			21	26.2

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

















Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 43

DATE Sep/16/2021

LOT No.: <b>Lot 083</b> DATE DRILLED: 7/13/21 ELEVATION (FT): 4917.3 GROUNDWATER @ 20.0 ' 7/14/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 084</b> DATE DRILLED: 7/13/21 ELEVATION (FT): 4917.7 GROUNDWATER @ Dry ' 7/14/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose to medium dense, moist	5			18	9.3	SAND, silty brown, fine-grained, loose, moist	5			18	10.4
SILT, sandy orange and brown, loose, moist	10			29	9.2		10			18	8.5
	15			11	16.1	orange	15			8	12.2
	20			13	23.4	grey, wet	20			15	23.4

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 44

DATE Sep/16/2021





LOT No.: <b>Lot 087</b> DATE DRILLED: 7/20/21 ELEVATION (FT): 4918.5 GROUNDWATER @ 18.0 ' 7/22/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 088</b> DATE DRILLED: 7/20/21 ELEVATION (FT): 4919.0 GROUNDWATER @ 18.0 ' 7/22/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose to medium dense, moist	5			32	9.7	SAND, silty brown, fine-grained, loose to medium dense, moist	5			28	10.2
clayey	10			17	12.4		10			13	9.1
SILT, sandy brown, orange, moist, medium dense	15			22	18.1	SILT, sandy brown, orange, moist, loose	15			10	19.8
SILTSTONE tan and brown, medium hard, moist	20			50/9"	25.5	SILTSTONE tan and brown, medium hard to hard, moist	20			50/7"	28.7

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 46

DATE Sep/16/2021

LOT No.: <b>Lot 089</b> DATE DRILLED: 7/20/21 ELEVATION (FT): 4919.8 GROUNDWATER @ 18.5 ' 7/22/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 090</b> DATE DRILLED: 7/20/21 ELEVATION (FT): 4921.1 GROUNDWATER @ 19.0 ' 7/22/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, moist	5			15	11.5	SAND, silty brown, fine-grained, loose to very dense, dry	5			8	4.9
dry	10			15	5.4		10			50/10"	8.7
SILTSTONE tan and brown, firm to medium hard, moist	15			40	18.6	SILTSTONE tan and brown, hard to very hard, moist	15			50/5"	14.4
	20			50/10"	23.2		20			50/0"	

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 47

DATE Sep/16/2021

LOT No.: <b>Lot 091</b> DATE DRILLED: 7/20/21 ELEVATION (FT): 4922.7 GROUNDWATER @ Dry ' 7/22/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 092</b> DATE DRILLED: 7/20/21 ELEVATION (FT): 4925.1 GROUNDWATER @ Dry ' 7/22/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, dry	5				9.1	SAND, silty brown, fine-grained, loose, dry to moist	5			10	7.8
SILTSTONE tan and brown, hard, dry	10				13.0	SILTSTONE tan and brown, hard to very hard, dry	10			50/7"	13.1
	15				12.4		15			50/3"	11.5
moist	20				18.8	moist	20			50/6"	19.1

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 48

DATE Sep/16/2021

LOT No.: <b>Lot 093</b> DATE DRILLED: 7/20/21 ELEVATION (FT): 4927.3 GROUNDWATER @ Dry ' 7/22/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 094</b> DATE DRILLED: 7/13/21 ELEVATION (FT): 4927.0 GROUNDWATER @ Dry ' 7/14/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, medium dense, dry to moist	5			19	8.4	SAND, silty brown, fine-grained, loose to very dense, dry	5			18	9.0
SILTSTONE tan and brown, medium hard to hard, dry	10			50/9"	12.3		10			50/10"	8.1
	15			50/6"	11.3		15			50/6"	10.4
moist	20			50/5"	17.5	SILTSTONE tan and brown, hard, moist	20			50/6"	17.0

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

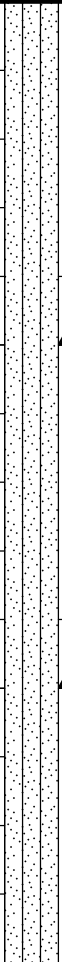

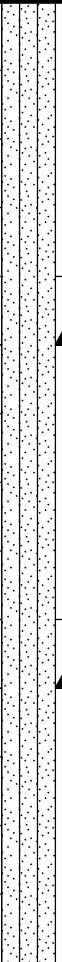

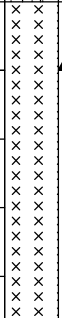

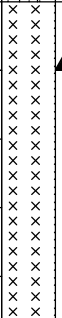

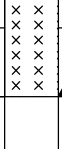

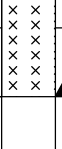

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 49

DATE Sep/16/2021

<b>LOT No.: Lot 095</b> <b>DATE DRILLED:</b> 7/13/21 <b>ELEVATION (FT): 4925.4</b> <b>GROUNDWATER @ Dry '</b> 7/14/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	<b>LOT No.: Lot 096</b> <b>DATE DRILLED:</b> 7/13/21 <b>ELEVATION (FT): 4923.3</b> <b>GROUNDWATER @ 20.0 '</b> 7/14/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, medium dense, dry	5			19	8.2	SAND, silty brown, fine-grained, loose, dry	5			11	7.2
SILTSTONE tan and brown, hard, dry to moist	10			40	8.3	SILTSTONE tan and brown, hard, dry	10			13	6.7
	15			50/7"	10.7		15			50/8"	11.6
	20			50/5"	20.1	moist	20			50/6"	

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

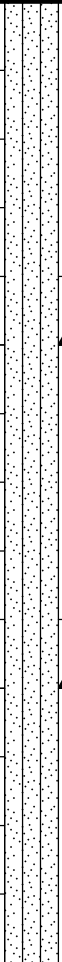

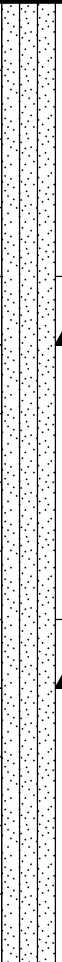

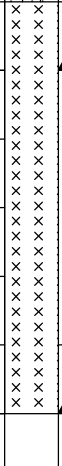

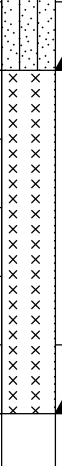

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 50

DATE Sep/16/2021

LOT No.: <b>Lot 097</b> DATE DRILLED: 7/13/21 ELEVATION (FT): 4921.2 GROUNDWATER @ 18.0 ' 7/14/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 098</b> DATE DRILLED: 7/13/21 ELEVATION (FT): 4919.1 GROUNDWATER @ 17.0 ' 7/14/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, dry	5			18	6.7	SAND, silty brown, fine-grained, loose, dry to moist	5			18	6.8
SILTSTONE tan and brown, medium hard, dry	15			50/10"	16.3	SILTSTONE tan and brown, medium hard, dry	15			9	21.8
moist	20			50/8"	22.1	moist	20			50/10"	26.0

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO





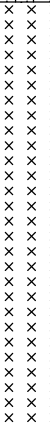















Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 51

DATE Sep/16/2021

LOT No.: <b>Lot 099</b> DATE DRILLED: 7/13/21 ELEVATION (FT): 4918.6 GROUNDWATER @ 17.0 ' 7/14/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 100</b> DATE DRILLED: 7/13/21 ELEVATION (FT): 4917.8 GROUNDWATER @ 16.0 ' 7/14/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, dry	5			27	8.0	SAND, silty brown, fine-grained, loose to medium dense, moist	5			29	9.3
SILTSTONE tan and brown, medium to very hard, moist	10			30	9.5		10			9	6.3
	15			50/10"	25.3		15			15	32.6
											
moist	20			50/0"		cemented layer	20			50/0"	3.3

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 52

DATE Sep/16/2021



LOT No.: <b>Lot 101</b> DATE DRILLED: 7/13/21 ELEVATION (FT): 4917.3 GROUNDWATER @ 16.5 ' 7/14/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 102</b> DATE DRILLED: 7/13/21 ELEVATION (FT): 4916.8 GROUNDWATER @ 17.0 ' 7/14/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, medium dense, moist	5			19	11.9	SAND, silty brown, fine-grained, loose, dry to moist	5			10	9.9
SILT, sandy brown, loose, moist	10			12	10.8	moist	10			6	10.8
SILTSTONE tan and brown, medium hard to very hard, moist	15			50/10"	21.0		15			9	15.0
	20			50/1"	6.9	SILTSTONE tan and brown, firm, wet	20			39	25.7

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 53

DATE Sep/16/2021

LOT No.: <b>Lot 103</b> DATE DRILLED: 7/13/21 ELEVATION (FT): 4916.8 GROUNDWATER @ 17.0 ' 7/14/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 104</b> DATE DRILLED: 7/13/21 ELEVATION (FT): 4916.3 GROUNDWATER @ 17.0 ' 7/14/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose to medium dense, moist	5			19	9.2	SAND, silty brown, fine-grained, loose to medium dense, dry	5			26	9.0
	10			10	13.6		10			7	15.9
	15			9	22.9		15			10	20.0
SILTSTONE tan and brown, weathered, wet						SILT, sandy brown, orange, loose, moist					
						SILTSTONE tan and brown, hard, wet					
	20			20	27.8		20			50/8"	25.1

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 54

DATE Sep/16/2021

LOT No.: <b>Lot 105</b> DATE DRILLED: 7/13/21 ELEVATION (FT): 4915.5 GROUNDWATER @ 17.0 ' 7/14/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 106</b> DATE DRILLED: 7/30/21 ELEVATION (FT): 4920.8 GROUNDWATER @ Buried ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose to medium dense, moist	5			28	10.4	SAND, silty brown, fine-grained, loose, dry	5			11	8.1
	10			4	10.0	orange, moist	10			9	9.5
SILTSTONE orange and brown, firm to hard, moist	15			35	23.6	SILT, sandy brown and tan, loose, moist	15			16	15.8
	20			50/6"	25.5	SILTSTONE tan and brown, hard, moist to wet	20			50/6"	25.7

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 55

DATE Sep/16/2021

LOT No.: <b>Lot 107</b> DATE DRILLED: 7/30/21 ELEVATION (FT): 4923.1 GROUNDWATER @ Buried ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 108</b> DATE DRILLED: 7/30/21 ELEVATION (FT): 4924.7 GROUNDWATER @ Buried ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose to medium dense, dry	5			19	9.6	SAND, silty brown, fine-grained, loose, dry	5			11	11.6
orange	10			12	9.0	clayey	10			9	7.4
SILT, sandy brown and tan, loose, moist	15			12	19.2	SILTSTONE tan and brown, medium hard to hard, moist	15			50/10"	13.9
SILTSTONE tan and brown, medium hard, moist to wet	20			50/9"	24.8		20			50/6"	20.9

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 56

DATE Sep/16/2021

LOT No.: <b>Lot 109</b> DATE DRILLED: 7/30/21 ELEVATION (FT): 4925.9 GROUNDWATER @ Buried ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 110</b> DATE DRILLED: 7/20/21 ELEVATION (FT): 4925.6 GROUNDWATER @ 20.0 ' 7/22/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, dry	5			12	7.9	SAND, silty brown, fine-grained, loose to medium dense, moist	5			23	7.1
	10			12	9.4		10			9	7.6
SILTSTONE tan and brown, medium hard to hard, moist	15			50/9"	12.3	SILTSTONE tan and brown, medium hard to hard, moist	15			50/9"	14.1
	20			50/6"	22.0		20			50/8"	23.2

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 57

DATE Sep/16/2021

LOT No.: <b>Lot 111</b> DATE DRILLED: 7/20/21 ELEVATION (FT): 4925.9 GROUNDWATER @ 20.0 ' 7/22/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 112</b> DATE DRILLED: 7/20/21 ELEVATION (FT): 4925.7 GROUNDWATER @ 19.0 ' 7/22/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose to medium dense, moist	5			25	9.9	SAND, silty brown, fine-grained, loose to medium dense, moist	5			24	6.6
	10			10	12.6		10			15	12.9
SILTSTONE tan and brown, medium hard to very hard, moist	15			50/10"	17.6	SILTSTONE tan and brown, weathered to hard, moist	15			22	10.8
	20			50/0"			20			50/7"	26.4

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 58

DATE Sep/16/2021

LOT No.: <b>Lot 113</b> DATE DRILLED: 7/20/21 ELEVATION (FT): 4924.8 GROUNDWATER @ 18.0 ' 7/22/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 114</b> DATE DRILLED: 7/20/21 ELEVATION (FT): 4923.6 GROUNDWATER @ 17.0 ' 7/22/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, medium dense, moist	5			20	9.7	SAND, silty brown, fine-grained, medium dense, moist	5			40	10.7
SILTSTONE tan and brown, weathered to very hard, moist	10			19	9.3	SILTSTONE tan, brown and orange, weathered to hard, moist	10			19	12.8
	15			20	17.0		15			22	25.6
	20			50/2"	19.3	wet	20			50/7"	27.5

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 59

DATE Sep/16/2021

<b>LOT No.: Lot 115</b> <b>DATE DRILLED:</b> 7/20/21 <b>ELEVATION (FT): 4922.0</b> <b>GROUNDWATER @ 16.5'</b> 7/22/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	<b>LOT No.: Lot 116</b> <b>DATE DRILLED:</b> 7/20/21 <b>ELEVATION (FT): 4921.9</b> <b>GROUNDWATER @ 16.0'</b> 7/22/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose to medium dense, moist	5			18	11.8	SAND, silty brown, fine-grained, loose, moist	5			11	10.4
SILTSTONE tan and brown, medium hard to hard, moist	10			20	8.5	SILTSTONE tan and brown, firm to very hard, moist	10			11	10.8
wet	15			50/10"	27.3		15			39	26.7
	20			50/4"	27.2		20			50/0"	

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 60

DATE Sep/16/2021



DATE Sep/16/2021

DATE Sep/16/2021

LOT No.: <b>Lot 121</b> DATE DRILLED: 7/27/21 ELEVATION (FT): 4916.7 GROUNDWATER @ 12.5 ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 122</b> DATE DRILLED: 7/27/21 ELEVATION (FT): 4916.5 GROUNDWATER @ 13.0 ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, dry	5			6	15.1	SAND, silty brown, fine-grained, loose, dry	5			7	6.2
SILTSTONE tan and brown, firm to hard, dry	10			40	10.7	SILT, sandy brown and orange, medium dense, dry to moist	10			19	9.7
moist	15			50/7"	24.7	SILTSTONE tan and brown, mdium hard to hard, moist	15			50/10"	26.8
wet	20			50/6"	28.2	wet	20			50/6"	27.5

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 63

DATE Sep/16/2021

LOT No.: <b>Lot 123</b> DATE DRILLED: 7/27/21 ELEVATION (FT): 4916.1 GROUNDWATER @ 13.0 ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 124</b> DATE DRILLED: 7/27/21 ELEVATION (FT): 4915.5 GROUNDWATER @ 13.5 ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, dry to moist	5			9	8.7	CLAY, sandy, silty brown, medium stiff, moist	5			8	9.5
	10			11	7.8		10			21	13.5
SILTSTONE tan and brown, medium hard to hard, moist	15			50/11"	25.6	SILTSTONE tan and brown, weathered to hard, moist	15			50/8"	25.6
	20			50/6"	28.7		20			50/6"	26.5
wet						wet					

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 64

DATE Sep/16/2021

LOT No.: <b>Lot 125</b> DATE DRILLED: 7/27/21 ELEVATION (FT): 4915.3 GROUNDWATER @ 13.8 ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 126</b> DATE DRILLED: 7/27/21 ELEVATION (FT): 4915.0 GROUNDWATER @ 14.0 ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, moist	5			11	9.7	SAND, silty brown, fine-grained, loose, dry to moist	5			7	8.5
SILTSTONE tan and brown, hard, moist	10			50/4"	16.2	SILTSTONE orange, tan and brown, hard to very hard, moist	10			50/2"	13.1
	15			50/6"	16.5		15			50/5"	15.8
	20			50/6"	21.3		20			50/5"	

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 65

DATE Sep/16/2021

LOT No.: <b>Lot 127</b> DATE DRILLED: 7/21/21 ELEVATION (FT): 4917.4 GROUNDWATER @ 14.0 ' 7/22/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 128</b> DATE DRILLED: 7/21/21 ELEVATION (FT): 4918.0 GROUNDWATER @ 14.5 ' 7/22/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, moist						SAND, silty brown, fine-grained, loose, moist					
SILTSTONE, tan and brown, weathered to hard, moist	5			23	15.8		5			14	11.7
with claystone lens	10			50/6"	14.6	SILTSTONE tan and brown, hard, moist	10			50/7"	14.3
	15			50/5"	17.6		15			50/6"	19.3
	20			50/4"	23.0		20			50/5"	18.6

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 66

DATE Sep/16/2021

LOT No.: <b>Lot 129</b> DATE DRILLED: 7/21/21 ELEVATION (FT): 4918.9 GROUNDWATER @ 15.3 ' 7/22/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 130</b> DATE DRILLED: 7/21/21 ELEVATION (FT): 4919.4 GROUNDWATER @ 16.0 ' 7/22/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, medium dense, dry to moist	5			24	10.7	SAND, silty brown, fine-grained, very dense, dry	5			50/11"	14.1
SILTSTONE tan and brown, hard, moist	10			50/8"	14.8	SILTSTONE tan and brown, hard, moist	10			50/7"	13.2
	15			50/6"	18.2		15			50/5"	17.2
				50/5"	20.2					50/4"	19.7
	20						20				

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 67

DATE Sep/16/2021

LOT No.: <b>Lot 131</b> DATE DRILLED: 7/21/21 ELEVATION (FT): 4920.0 GROUNDWATER @ 16.5 ' 7/22/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 132</b> DATE DRILLED: 7/21/21 ELEVATION (FT): 4920.0 GROUNDWATER @ 16.5 ' 7/22/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown and tan, fine-grained, loose, dry to moist	5			11	9.3	SAND, silty brown and orange, fine-grained, loose, moist	5			12	12.9
SILTSTONE tan and brown, hard to very hard, dry to moist	10			50/6"	10.9	SILTSTONE tan and brown, firm to very hard, moist	10			37	10.4
moist	15			50/3"	17.8		15			50/6"	22.0
	20			50/7"	19.8	wet	20			50/3"	20.5

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 68

DATE Sep/16/2021



LOT No.: <b>Lot 133</b> DATE DRILLED: 7/8/21 ELEVATION (FT): 4915.5 GROUNDWATER @ 20.0 ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 134</b> DATE DRILLED: 7/8/21 ELEVATION (FT): 4917.6 GROUNDWATER @ 20.0 ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, moist	5			4	9.9	SAND, silty brown, fine-grained, loose to medium dense, moist	5			4	9.6
SILTSTONE tan and brown, medium hard to hard, dry to moist	10			50/10"	10.0	SILTSTONE tan and brown, hard, dry to moist	10			28	11.2
	15			50/7"	16.0		15			50/7"	16.0
	20			50/6"	21.9		20			50/5"	23.8

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 69

DATE Sep/16/2021

LOT No.: <b>Lot 135</b> DATE DRILLED: 7/8/21 ELEVATION (FT): 4919.2 GROUNDWATER @ Dry ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 136</b> DATE DRILLED: 7/8/21 ELEVATION (FT): 4921.0 GROUNDWATER @ Dry ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, moist	5			4	11.2	SAND, silty brown, fine-grained, loose, moist	5			7	13.8
SILTSTONE tan and brown, medium hard to hard, dry	10			50/11"	10.8	SILTSTONE tan and brown, hard, dry	10			50/7"	6.3
	15			50/7"	12.1		15			50/5"	13.1
moist	20			50/7"	18.7	moist	20			50/7"	21.1

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 70

DATE Sep/16/2021

Architectural  
Structural  
Forensics

Colorado Springs: (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Spings, CO 80918  
(719) 548-0600

SOUTHERN COLORADO. DENVER METRO. NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

# TEST BORING LOGS

JOB No. 184203

FIGURE No. 71

DATE Sep/16/2021

LOT No.: <b>Lot 143</b> DATE DRILLED: 7/7/21 ELEVATION (FT): 4918.9 GROUNDWATER @ Dry ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 144</b> DATE DRILLED: 7/7/21 ELEVATION (FT): 4918.3 GROUNDWATER @ Dry ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, medium dense to dense, dry	5			29	10.3	SAND, silty brown, fine-grained, loose, dry to moist	5			4	9.2
SILTSTONE, sandy orange and brown, hard, dry to moist	10			50/7"	10.8	dry  SILTSTONE, sandy brown, hard, dry to moist	10			50/7"	10.2
	15			50/6"	18.1		15			50/6'	17.7
	20			50/7"	21.7		20			50/7"	19.6

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 72

DATE Sep/16/2021

LOT No.: <b>Lot 145</b> DATE DRILLED: 7/7/21 ELEVATION (FT): 4917.2 GROUNDWATER @ Dry ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 146</b> DATE DRILLED: 7/7/21 ELEVATION (FT): 4915.9 GROUNDWATER @ Dry ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose to dense, dry	5			4	7.2	SAND, silty brown, fine-grained, loose, dry to moist	5			3	13.2
	10			50/11	9.8	SILTSTONE, sandy brown, hard, dry	10			50/7"	10.2
SILTSTONE, sandy brown, hard, dry	15			50/6"	18.8	moist	15			50/7"	18.6
moist	20			50/7"	19.5		20			50/6"	20.7

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 73

DATE Sep/16/2021

DATE Sep/16/2021

LOT No.: <b>Lot 149</b> DATE DRILLED: 7/7/21 ELEVATION (FT): 4912.9 GROUNDWATER @ 16.0 ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 150</b> DATE DRILLED: 7/7/21 ELEVATION (FT): 4915.5 GROUNDWATER @ 20.0 ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose to dense, moist	5			7	10.0	SAND, silty brown, fine-grained, loose, moist	5			8	11.5
	10			50/10"	10.5	SILTSTONE, sandy brown, medium hard to hard, dry	10			50/8"	11.5
SILTSTONE, sandy brown, medium hard to hard, moist	15			50/7"	21.5		15			50/6"	12.1
	20			50/9"	23.2	moist	20			50/7"	19.9

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 75

DATE Sep/16/2021

LOT No.: <b>Lot 151</b> DATE DRILLED: 7/7/21 ELEVATION (FT): 4916.6 GROUNDWATER @ Dry ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 152</b> DATE DRILLED: 7/7/21 ELEVATION (FT): 4917.6 GROUNDWATER @ Dry ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, moist	5			6	7.4	SAND, silty brown, fine-grained, loose, dry to moist	5			8	11.0
	10			50/12"	11.2		10			50/9"	10.8
SILTSTONE, sandy brown, medium hard to hard, dry	15			50/7"	13.4	SILTSTONE, sandy brown, medium hard to hard, dry	15			50/6"	13.1
	20			50/6"	19.8		20			50/6"	24.7
moist						moist to dry					

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 76

DATE Sep/16/2021



LOT No.: <b>Lot 153</b> DATE DRILLED: 7/7/21 ELEVATION (FT): 4918.6 GROUNDWATER @ Dry ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 154</b> DATE DRILLED: 7/7/21 ELEVATION (FT): 4919.6 GROUNDWATER @ Dry ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, moist	5			5	6.8	SAND, silty brown, fine-grained, loose, moist	5			5	6.7
SILTSTONE, sandy brown, medium hard to hard, dry	10			50/8"	8.7	SILTSTONE, sandy brown, medium hard to hard, dry	10			50/9"	8.6
	15			50/6"	12.9		15			50/6"	12.7
moist to dry	20			50/7"	22.6	moist	20			50/5"	18.2

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 77

DATE Sep/16/2021

LOT No.: <b>Lot 159</b> DATE DRILLED: 7/6/21 ELEVATION (FT): 4918.8 GROUNDWATER @ Dry ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 160</b> DATE DRILLED: 7/6/21 ELEVATION (FT): 4918.7 GROUNDWATER @ Dry ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose to dense, moist	5			6	6.6	SAND, silty brown, fine-grained, loose to medium dense, moist	5			6	6.2
	10			50/7"	9.5		10			21	9.0
SILTSTONE, sandy brown, hard, dry	15			50/6"	13.3	SILTSTONE, sandy brown, hard, dry	15			50/6"	10.4
moist	20			50/6"	20.0	moist	20			50/6"	19.2

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 78

DATE Sep/16/2021

LOT No.: <b>Lot 161</b> DATE DRILLED: 7/6/21 ELEVATION (FT): 4917.0 GROUNDWATER @ Dry ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 162</b> DATE DRILLED: 7/6/21 ELEVATION (FT): 4915.7 GROUNDWATER @ 20.0 ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, moist to dry	5			5	4.6	SAND, silty brown, fine-grained, loose to dense, moist	5			5	6.6
	10			18	9.6		10			9	8.5
SILTSTONE, sandy brown, hard, dry	15			50/6"	15.5	SILTSTONE, sandy brown, hard, moist	15			50/7"	14.2
moist	20			50/6"	24.2		20			50/6"	26.3

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 79

DATE Sep/16/2021

LOT No.: <b>Lot 163</b> DATE DRILLED: 7/6/21 ELEVATION (FT): 4914.6 GROUNDWATER @ 20.0 ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 164</b> DATE DRILLED: 7/6/21 ELEVATION (FT): 4913.6 GROUNDWATER @ 17.0 ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose to dense, dry	5			4	6.3	SAND, silty brown, fine-grained, loose to medium dense, dry	5			6	5.6
SILTSTONE, sandy brown, hard, dry	10			50/9"	9.3	SILTSTONE, sandy brown, hard, dry	10			28	11.6
	15			50/6"	17.1		15			50/6"	18.3
	20			50/5"	16.7		20			50/5"	17.4

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 80

DATE Sep/16/2021

LOT No.: <b>Lot 165</b> DATE DRILLED: 6/30/21 ELEVATION (FT): 4912.8 GROUNDWATER @ Dry ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 166</b> DATE DRILLED: 6/30/21 ELEVATION (FT): 4913.8 GROUNDWATER @ Dry ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty, clayey brown, fine-grained, medium dense, moist	5			19	11.2	SAND, silty brown, fine-grained, loose, moist	5			14	14.4
	10			40	10.8	SILTSTONE, sandy brown, medium hard to hard, dry	10			50/9"	11.6
SILTSTONE, sandy brown, hard, dry	15			50/6"	12.9		15			50/6"	14.7
	20			50/6"	17.5		20			50/5"	19.2

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 81

DATE Sep/16/2021

LOT No.: <b>Lot 167</b> DATE DRILLED: 7/6/21 ELEVATION (FT): 4914.9 GROUNDWATER @ Dry ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 168</b> DATE DRILLED: 7/6/21 ELEVATION (FT): 4916.2 GROUNDWATER @ Dry ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, moist	5			10	6.4	SAND, silty brown, fine-grained, loose, moist	5			6	7.9
SILTSTONE, sandy brown and tan, hard, dry to moist	10			50/7"	10.3	SILTSTONE, sandy brown and tan, medium hard to hard, dry to moist	10			50/10"	12.1
	15			50/6"	20.1		15			50/7"	11.3
	20			50/6"	27.7	moist	20			50/6"	26.0

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 82

DATE Sep/16/2021

LOT No.: <b>Lot 169</b> DATE DRILLED: 7/6/21 ELEVATION (FT): 4917.1 GROUNDWATER @ Dry ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 170</b> DATE DRILLED: 7/6/21 ELEVATION (FT): 4917.9 GROUNDWATER @ Dry ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, moist	5			6	6.3	SAND, silty brown, fine-grained, loose, moist	5			8	7.9
SILTSTONE, sandy brown, weatherd to hard, moist to dry	10			22	14.8	SILTSTONE, sandy brown, hard, moist to dry	10			15	11.9
	15			50/7"	9.7		15			50/7"	8.7
moist	20			50/6"	17.8		20			50/8"	25.5

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 83

DATE Sep/16/2021

LOT No.: <b>Lot 171</b> DATE DRILLED: 7/6/21 ELEVATION (FT): 4918.7 GROUNDWATER @ Dry ' 7/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 207</b> DATE DRILLED: 7/21/21 ELEVATION (FT): 4922.2 GROUNDWATER @ 16.0 ' 7/22/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, moist						SAND, silty brown, fine-grained, moist					
	5			16	12.5	SILTSTONE, sandy brown, tan and orange, firm to very hard, dry to moist	5			47	12.3
orange, dry to moist	10			11	11.4		10			50/4"	9.6
SILTSTONE, sandy brown, hard, dry to moist	15			50/7"	13.8	moist	15			50/4"	17.5
	20			50/7"	21.2	moist to wet	20			50/3"	21.6

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 84

DATE Sep/16/2021



LOT No.: <b>Lot 208</b> DATE DRILLED: 7/21/21 ELEVATION (FT): 4922.3 GROUNDWATER @ 15.5 ' 7/22/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 209</b> DATE DRILLED: 7/21/21 ELEVATION (FT): 4922.6 GROUNDWATER @ 16.5 ' 7/22/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, dry to moist						SAND, silty brown, fine-grained, dry					
SILTSTONE, sandy brown, tan and orange, medium hard to very hard, dry to moist	5			50/10"	14.1	SILTSTONE, sandy brown and tan, medium hard to hard, dry	5			50/9"	15.7
	10			50/5"	14.4	moist	10			50/6"	13.0
moist	15			50/6"	16.1		15			50/6"	17.4
	20			50/4"	20.4		20			50/6"	19.2

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 85

DATE Sep/16/2021

DATE Sep/16/2021

LOT No.: <b>Lot 212</b> DATE DRILLED: 7/21/21 ELEVATION (FT): 4923.3 GROUNDWATER @ 16.5 ' 7/22/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 213</b> DATE DRILLED: 7/21/21 ELEVATION (FT): 4925.6 GROUNDWATER @ 18.5 ' 7/22/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, dry						SAND, silty brown, fine-grained, loose, dry					
SILTSTONE, sandy brown and tan, firm to very hard, dry	5			38	10.4		5			10	13.0
	10			50/6"	11.4	SILTSTONE, sandy brown, tan and orange, medium hard to very hard, dry to moist	10			50/10"	10.9
	15			50/5"	15.2	moist	15			50/9"	23.3
	20			50/4"	17.0		20			50/2"	18.9

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 87

DATE Sep/16/2021

LOT No.: <b>Lot 214</b> DATE DRILLED: 7/21/21 ELEVATION (FT): 4926.1 GROUNDWATER @ 18.5 ' 7/22/21					LOT No.: <b>Lot 226</b> DATE DRILLED: 7/21/21 ELEVATION (FT): 4927.1 GROUNDWATER @ 18.0 ' 7/22/21				
DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
5			13	13.2	5			11	8.8
10			27	10.2	10			25	12.8
15			50/10"	24.8	15			50/11"	24.8
20			50/5"	24.6	20			50/5"	24.6

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO









Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 88

DATE Sep/16/2021

LOT No.: <b>Lot 227</b> DATE DRILLED: 7/29/21 ELEVATION (FT): 4926.8 GROUNDWATER @ 18.0 ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 228</b> DATE DRILLED: 7/29/21 ELEVATION (FT): 4927.3 GROUNDWATER @ 18.0 ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
CLAY, sandy brown and grey, very stiff, moist	5			22	14.8	SAND, silty, clayey brown, fine-grained, loose, moist	5			11	8.8
SILTSTONE brown, orange and tan, medium hard to hard, dry	10			50/12"	12.8	SILTSTONE, with claystone lens brown, orange and tan, hard, dry	10			50/4"	8.7
moist	15			50/6"	25.0	little to no claystone, moist	15			50/6"	23.4
wet	20			50/4"	33.4	moist to wet	20			50/4"	21.9

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 89

DATE Sep/16/2021

LOT No.: <b>Lot 229</b> DATE DRILLED: 7/29/21 ELEVATION (FT): 4927.6 GROUNDWATER @ 18.0 ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 230</b> DATE DRILLED: 7/29/21 ELEVATION (FT): 4928.9 GROUNDWATER @ 18.5 ' 7/30/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown and orange, fine-grained, loose, dry	5			15	7.6	SAND, silty brown, fine-grained, loose, dry	5			13	4.5
SILTSTONE brown and tan, medium hard to hard, moist	10			50/10"	14.2	SILTSTONE brown, orange and tan, firm to very hard, moist	10			47	12.6
	15			50/7"	22.9		15			50/5"	24.4
	20			50/4"	17.9		20			50/0"	

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 90

DATE Sep/16/2021

LOT No.: <b>Lot 231</b> DATE DRILLED: 7/30/21 ELEVATION (FT): 4930.1 GROUNDWATER @ 18.5 ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 232</b> DATE DRILLED: 7/30/21 ELEVATION (FT): 4932.0 GROUNDWATER @ 20.0 ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, dry	5			11	9.8	SAND, silty brown, fine-grained, loose, dry	5			9	4.9
SILTSTONE brown and tan, medium hard to hard, moist	10			17	11.8	SILTSTONE brown and tan, weathered to hard, dry to moist	10			24	14.5
	15			50/10"	23.0	moist	15			50/9"	24.3
	20			50/5"	18.6		20			50/5"	20.6

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 91

DATE Sep/16/2021

LOT No.: <b>Lot 233</b> DATE DRILLED: 7/30/21 ELEVATION (FT): 4933.6 GROUNDWATER @ Dry ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 234</b> DATE DRILLED: 7/30/21 ELEVATION (FT): 4936.7 GROUNDWATER @ Dry ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, dry	5			6	7.5	SAND, silty brown, fine-grained, loose, dry	5			8	9.0
SILTSTONE brown and tan, medium hard to hard, dry	10			50/10"	13.2	SILTSTONE brown and tan, firm to hard, dry	10			32	9.8
moist	15			50/7"	17.4	moist	15			50/11"	18.1
	20			50/5"	21.7		20			50/7"	23.0

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 92

DATE Sep/16/2021



LOT No.: <b>Lot 235</b> DATE DRILLED: 7/30/21 ELEVATION (FT): 4938.0 GROUNDWATER @ Dry ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 236</b> DATE DRILLED: 7/30/21 ELEVATION (FT): 4940.3 GROUNDWATER @ Dry ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown and tan, fine-grained, loose, dry	5			17	10.0	SAND, silty brown, fine-grained, loose, dry	5			14	10.6
SILTSTONE brown and tan, medium hard to very hard, dry	10			6	4.2	SILTSTONE brown and tan, medium hard to hard, moist	10			9	10.1
	15			50/9"	15.0		15			50/10"	14.2
	20			50/0"			20			50/6"	21.9

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 93

DATE Sep/16/2021

LOT No.: <b>Lot 237</b> DATE DRILLED: 7/30/21 ELEVATION (FT): 4942.0 GROUNDWATER @ Dry ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 238</b> DATE DRILLED: 7/30/21 ELEVATION (FT): 4943.8 GROUNDWATER @ Dry ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, dry	5			17	9.7	SAND, silty brown, fine-grained, loose, dry	5			11	6.4
SILTSTONE brown and tan, medium hard to hard, dry to moist	10			15	17.6	SILTSTONE brown and tan, firm to hard, dry	10			32	9.2
	15			50/10"	16.0		15			50/8"	16.3
	20			50/5"	20.4	moist	20			50/6"	23.0

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

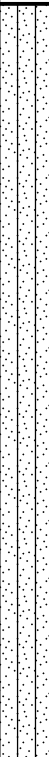

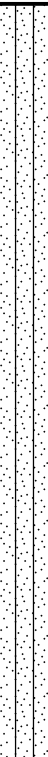





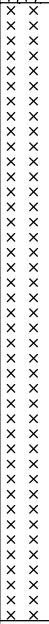

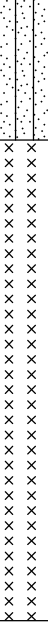

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 94

DATE Sep/16/2021

LOT No.: <b>Lot 239</b> DATE DRILLED: 7/30/21 ELEVATION (FT): 4945.8 GROUNDWATER @ Dry ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 240</b> DATE DRILLED: 7/30/21 ELEVATION (FT): 4947.6 GROUNDWATER @ Dry ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose to medium dense, dry	5			23	9.5	SAND, silty brown, fine-grained, loose, dry	5			18	11.9
	10			11	14.6		10			7	9.8
	15			50/10"	13.0		15			44	16.3
SILTSTONE brown and tan, medium hard to hard, dry	20			50/6"	18.9	SILTSTONE brown and tan, firm to hard, dry to moist	20			50/7"	16.5
moist						moist					

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

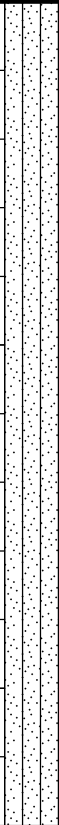

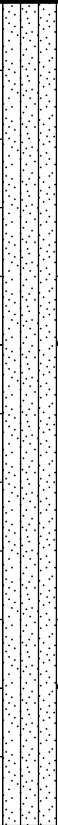



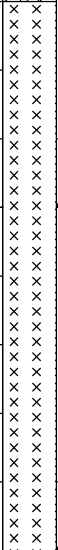







Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 95

DATE Sep/16/2021

LOT No.: <b>Lot 241</b> DATE DRILLED: 7/30/21 ELEVATION (FT): 4949.8 GROUNDWATER @ Dry ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 242</b> DATE DRILLED: 7/30/21 ELEVATION (FT): 4951.7 GROUNDWATER @ Dry ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, dry	5			14	10.7	SAND, silty brown, fine-grained, loose, dry	5			17	10.4
SILTSTONE brown and tan, medium hard to hard, dry to moist	10			7	7.2	SILTSTONE brown and tan, hard, dry to moist	10			6	5.6
moist	15			50/8"	11.6	moist	15			50/6"	12.2
	20			50/5"	21.4		20			50/7"	24.6

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 96

DATE Sep/16/2021

LOT No.: <b>Lot 243</b> DATE DRILLED: 7/30/21 ELEVATION (FT): 4953.7 GROUNDWATER @ Dry ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 354</b> DATE DRILLED: 8/6/21 ELEVATION (FT): 4955.3 GROUNDWATER @ 17.5 ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, dry	5			14	6.9	SAND, silty brown, fine-grained, loose, dry	5			11	5.5
SILTSTONE brown and tan, medium hard to hard, dry to moist	10			8	5.0	SILTSTONE brown and tan, weathered to medium hard, dry	10			28	13.2
	15			50/10"	11.3	moist	15			50/10"	23.4
	20			50/7"	24.8		20			50/10"	24.1

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 97

DATE Sep/16/2021

LOT No.: <b>Lot 355</b> DATE DRILLED: 8/6/21 ELEVATION (FT): 4955.0 GROUNDWATER @ 17.0 ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 356</b> DATE DRILLED: 8/6/21 ELEVATION (FT): 4954.5 GROUNDWATER @ 16.5 ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, medium dense, dry	5			19	6.4	SAND, silty brown, fine-grained, loose to medium dense, dry	5			26	5.2
SILTSTONE brown and tan, weathered to very hard, dry	10			22	10.4	SILTSTONE brown and tan, hard, dry	10			8	7.7
wet	15			50/2"	15.8		15			50/4"	14.6
	20			50/6"	18.2	moist	20			50/6"	18.7

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 98

DATE Sep/16/2021

LOT No.: <b>Lot 357</b> DATE DRILLED: 8/6/21 ELEVATION (FT): 4954.3 GROUNDWATER @ Dry ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	LOT No.: <b>Lot 358</b> DATE DRILLED: 8/6/21 ELEVATION (FT): 4953.3 GROUNDWATER @ 17.0 ' 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose to medium dense, dry	5			19	9.6	SAND, silty brown, fine-grained, loose, dry	5			14	10.3
	10			9	8.4	SILTSTONE brown and tan, hard, dry	10			50/7"	9.9
SILTSTONE brown and tan, hard, dry	15			50/5"	14.8		15			50/6"	18.8
	20			50/6"	25.2	moist	20			50/6"	17.6

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 99

DATE Sep/16/2021

<b>LOT No.: Lot 359</b> <b>DATE DRILLED:</b> 8/2/21 <b>ELEVATION (FT): 4952.6</b> <b>GROUNDWATER @ Buried '</b> 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %	<b>LOT No.: Lot 360</b> <b>DATE DRILLED:</b> 8/2/21 <b>ELEVATION (FT): 4952.3</b> <b>GROUNDWATER @ 16.0 '</b> 8/9/21	DEPTH (FT)	SYMBOL	SAMPLES	BLOWS PER FT.	WATER CONTENT %
SAND, silty brown, fine-grained, loose, dry	5			18	6.4	SAND, silty brown, fine-grained, loose, dry	5			11	7.8
SILTSTONE brown and tan, hard, dry	10			50/6"	6.2	SILTSTONE brown, orange and tan, firm to hard, dry	10			30	7.9
	15			50/5"	16.1		15			50/5"	17.2
moist	20			50/5"	19.2	moist	20			50/5"	21.3

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## TEST BORING LOGS

JOB No. 184203

FIGURE No. 100

DATE Sep/16/2021



## SOILS DESCRIPTION



CLAYEY SAND



SANDY CLAY



SILT



SILTSTONE



SILTY SAND

UNLESS NOTED OTHERWISE, ALL LABORATORY  
TESTS PRESENTED HEREIN WERE PERFORMED BY:  
RMG - ROCKY MOUNTAIN GROUP  
1601 37TH ST.  
EVANS, COLORADO

## SYMBOLS AND NOTES



XX

STANDARD PENETRATION TEST - MADE BY DRIVING A SPLIT-BARREL SAMPLER INTO THE SOIL BY DROPPING A 140 LB. HAMMER 30", IN GENERAL ACCORDANCE WITH ASTM D-1586. NUMBER INDICATES NUMBER OF HAMMER BLOWS PER FOOT (UNLESS OTHERWISE INDICATED).



XX

UNDISTURBED CALIFORNIA SAMPLE - MADE BY DRIVING A RING-LINED SAMPLER INTO THE SOIL BY DROPPING A 140 LB. HAMMER 30", IN GENERAL ACCORDANCE WITH ASTM D-3550. NUMBER INDICATES NUMBER OF HAMMER BLOWS PER FOOT (UNLESS OTHERWISE INDICATED).



FREE WATER TABLE



DEPTH AT WHICH BORING CAVED



BULK DISTURBED BULK SAMPLE



AUG AUGER "CUTTINGS"

4.5

WATER CONTENT (%)

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Geotechnical  
Materials Testing  
Civil, Planning

Colorado Springs, (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

## EXPLANATION OF TEST BORING LOGS

JOB No. 184203

FIGURE No. 101

DATE Sep/16/2021

Test Boring No.	Depth	Water Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	% Retained No.4 Sieve	% Passing No. 200 Sieve	% Swell/ Collapse	Load (psf)
Lot 001	4.0	12.1	96.0						
Lot 001	9.0	12.8	103.1						
Lot 001	14.0	17.6	90.1						
Lot 001	19.0	17.9							
Lot 002	4.0	10.2	91.2						
Lot 002	9.0	9.0	94.4						
Lot 002	14.0	15.9	70.9						
Lot 002	19.0	19.3							
Lot 003	4.0	20.3	93.3						
Lot 003	9.0	17.6	86.6	35	7		39.8	- 0.4	1000
Lot 003	14.0	14.3	92.0						
Lot 003	19.0	18.4							
Lot 004	4.0	7.1	95.0						
Lot 004	9.0	17.3	104.8						
Lot 004	14.0	16.6	97.9						
Lot 004	19.0	16.2							
Lot 005	4.0	5.6	92.4						
Lot 005	9.0	18.5							
Lot 005	14.0	17.7	92.2						
Lot 005	19.0	17.4							
Lot 006	4.0	11.5	98.5						
Lot 006	9.0	14.7	92.2						
Lot 006	14.0	16.1	88.3						
Lot 006	19.0	16.5							
Lot 007	4.0	6.9	103.9						
Lot 007	9.0	13.5	97.3						
Lot 007	14.0	18.2							
Lot 007	19.0	16.8							
Lot 008	4.0	3.2	102.7						
Lot 008	9.0	14.3	111.2						
Lot 008	14.0	16.5	90.2						
Lot 008	19.0	19.6							
Lot 009	4.0	4.2	100.9						
Lot 009	9.0	15.1	109.0	34	9		57.6	0.8	1000

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs, (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## SUMMARY OF LABORATORY TEST RESULTS

JOB No. 184203  
FIGURE No. 102  
PAGE 1 OF 23  
DATE Sep/16/2021

Test Boring No.	Depth	Water Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	% Retained No.4 Sieve	% Passing No. 200 Sieve	% Swell/ Collapse	Load (psf)
Lot 009	14.0	15.6							
Lot 009	19.0	18.5							
Lot 010	4.0	8.0	108.0						
Lot 010	9.0	16.0	98.8						
Lot 010	14.0	14.3							
Lot 010	19.0	18.9							
Lot 011	4.0	11.9	103.7						
Lot 011	9.0	25.1	84.5						
Lot 011	14.0	16.2	90.0						
Lot 011	19.0	18.1							
Lot 012	4.0	9.1	104.4						
Lot 012	9.0	18.9	91.3						
Lot 012	14.0	13.4	96.9						
Lot 012	19.0	17.8							
Lot 013	4.0	7.1	104.0						
Lot 013	9.0	20.9	99.5						
Lot 013	14.0	19.2	81.8						
Lot 013	19.0	15.9							
Lot 014	4.0	15.2	91.6						
Lot 014	9.0	10.7	91.2						
Lot 014	14.0	13.7	86.6						
Lot 014	19.0	15.7							
Lot 015	4.0	8.7	101.1	20	NP	1.7	33.1		
Lot 015	9.0	20.7	99.0						
Lot 015	14.0	14.9	90.5						
Lot 015	19.0	15.5							
Lot 016	4.0	13.2	108.8						
Lot 016	9.0	24.4	95.2						
Lot 016	14.0	18.1	104.8						
Lot 016	19.0	14.7	97.8						
Lot 017	4.0	7.6	111.0						
Lot 017	9.0	18.1	101.7						
Lot 017	14.0	19.3	99.6						
Lot 017	19.0	15.5	79.7						

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs, (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## SUMMARY OF LABORATORY TEST RESULTS

JOB No. 184203  
FIGURE No. 102  
PAGE 2 OF 23  
DATE Sep/16/2021

Test Boring No.	Depth	Water Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	% Retained No.4 Sieve	% Passing No. 200 Sieve	% Swell/ Collapse	Load (psf)
Lot 018	4.0	6.1	105.1						
Lot 018	9.0	7.1	103.9						
Lot 018	14.0	18.2	106.4						
Lot 018	19.0	14.8	75.8						
Lot 019	4.0	8.3	108.4						
Lot 019	9.0	19.3	92.8	43	26		40.2	- 0.7	1000
Lot 019	14.0	13.7	99.2						
Lot 019	19.0	14.2	86.6						
Lot 020	4.0	8.4	110.5						
Lot 020	9.0	15.5	113.5						
Lot 020	14.0	15.9	99.5						
Lot 020	19.0	10.7	91.0						
Lot 021	4.0	10.7	106.5						
Lot 021	9.0	12.3	106.5						
Lot 021	14.0	11.2	104.0						
Lot 021	19.0	15.6	98.4						
Lot 022	4.0	7.9	107.3						
Lot 022	9.0	6.9	103.0						
Lot 022	14.0	21.0	103.0						
Lot 022	19.0	17.9	104.5						
Lot 023	4.0	6.8	103.8	NP	NP		22.1	- 1.7	1000
Lot 023	9.0	7.0	106.9						
Lot 023	14.0	6.3	105.3						
Lot 023	19.0	20.2	99.3						
Lot 024	4.0	5.2	108.4						
Lot 024	9.0	9.1	112.4						
Lot 024	14.0	11.2	93.7						
Lot 024	19.0	16.3	100.8						
Lot 025	4.0	12.7	105.7	34	8	0.0	39.5	0.0	1000
Lot 025	9.0	10.7	89.5						
Lot 025	14.0	15.0	85.9						
Lot 025	19.0	21.5	98.8						
Lot 026	4.0	9.6	106.5						
Lot 026	9.0	10.9	95.2						

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs, (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## SUMMARY OF LABORATORY TEST RESULTS

JOB No. 184203  
FIGURE No. 102  
PAGE 3 OF 23  
DATE Sep/16/2021

Test Boring No.	Depth	Water Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	% Retained No.4 Sieve	% Passing No. 200 Sieve	% Swell/ Collapse	Load (psf)
Lot 026	14.0	15.5	91.5						
Lot 026	19.0	18.5	90.2						
Lot 027	4.0	12.4	95.4						
Lot 027	9.0	10.7	95.7						
Lot 027	14.0	18.2	92.3						
Lot 027	19.0	22.0	80.6						
Lot 028	4.0	9.2	93.7						
Lot 028	9.0	10.1	90.2						
Lot 028	14.0	25.8	94.8						
Lot 028	19.0	21.9							
Lot 029	4.0	5.2	101.7						
Lot 029	9.0	10.7	93.3						
Lot 029	14.0	20.6	100.8						
Lot 029	19.0	18.1	95.6						
Lot 030	4.0	8.9	104.2						
Lot 030	9.0	12.0	87.8						
Lot 030	14.0	23.9	92.6						
Lot 030	19.0	19.2							
Lot 031	4.0	7.2	97.7						
Lot 031	9.0	11.4	90.4	NP	NP		16.8	- 0.6	1000
Lot 031	14.0	23.2	91.7						
Lot 031	19.0	23.6							
Lot 032	4.0	5.8	101.4						
Lot 032	9.0	11.2	89.1						
Lot 032	14.0	21.0	87.1						
Lot 032	19.0	22.1							
Lot 033	4.0	9.5	90.5						
Lot 033	9.0	10.5	95.3						
Lot 033	14.0	6.8							
Lot 033	19.0	21.5							
Lot 034	4.0	8.2	98.1						
Lot 034	9.0	11.6	87.3						
Lot 034	14.0	17.9	85.0						
Lot 034	19.0	24.2							

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs, (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## SUMMARY OF LABORATORY TEST RESULTS

JOB No. 184203  
FIGURE No. 102  
PAGE 4 OF 23  
DATE Sep/16/2021

Test Boring No.	Depth	Water Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	% Retained No.4 Sieve	% Passing No. 200 Sieve	% Swell/ Collapse	Load (psf)
Lot 035	4.0	8.9	102.3	20	2		28.8	- 0.6	1000
Lot 035	9.0	13.3	93.3						
Lot 035	14.0	23.5	92.1						
Lot 035	19.0	16.5							
Lot 036	4.0	6.5	99.9						
Lot 036	9.0	11.2	90.9						
Lot 036	14.0	24.3	85.5						
Lot 036	19.0	25.6							
Lot 037	4.0	6.7	95.1						
Lot 037	9.0	11.0	82.8						
Lot 037	14.0	21.9	90.7						
Lot 037	19.0	6.9							
Lot 038	4.0	5.9	98.9						
Lot 038	9.0	10.3							
Lot 038	14.0	16.7	98.7						
Lot 038	19.0	23.2							
Lot 039	4.0	7.5	106.3						
Lot 039	9.0	11.4	87.5						
Lot 039	14.0	22.6	90.8						
Lot 039	19.0	22.8							
Lot 040	4.0	8.6	96.6						
Lot 040	9.0	10.6	88.3						
Lot 040	14.0	25.0	89.3						
Lot 040	19.0	25.0							
Lot 041	4.0	8.1	95.5						
Lot 041	9.0	9.2	90.9	NP	NP		11.5	- 0.7	1000
Lot 041	14.0	4.6							
Lot 041	19.0	17.8	86.2						
Lot 042	4.0	7.6	90.9						
Lot 042	9.0	10.2	98.1	30	7		28.6	- 0.2	1000
Lot 042	14.0	8.0							
Lot 042	19.0	14.7	82.9						
Lot 043	4.0	9.8	110.9						
Lot 043	9.0	12.7	101.3						

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs, (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## SUMMARY OF LABORATORY TEST RESULTS

JOB No. 184203  
FIGURE No. 102  
PAGE 5 OF 23  
DATE Sep/16/2021

Test Boring No.	Depth	Water Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	% Retained No.4 Sieve	% Passing No. 200 Sieve	% Swell/ Collapse	Load (psf)
Lot 043	14.0	8.9	90.4						
Lot 043	19.0	12.6	94.1						
Lot 044	4.0	9.2	105.6	NP	NP	0.0	24.2	- 1.7	1000
Lot 044	9.0	13.9	93.1						
Lot 044	14.0	11.6	91.5						
Lot 044	19.0	17.5	92.2						
Lot 045	4.0	10.1	107.8						
Lot 045	9.0	8.9							
Lot 045	14.0	9.7	88.9						
Lot 045	19.0	18.8	84.3						
Lot 046	4.0	7.1	104.2						
Lot 046	9.0	11.8	87.2						
Lot 046	14.0	10.7	86.9						
Lot 046	19.0	17.5	88.3						
Lot 047	4.0	6.5	108.4						
Lot 047	9.0	11.1	94.0						
Lot 047	14.0	12.2	95.5						
Lot 047	19.0	22.5	71.8						
Lot 048	4.0	7.2	101.8						
Lot 048	9.0	10.1	93.8						
Lot 048	14.0	14.6	91.1						
Lot 048	19.0	26.3	88.7						
Lot 049	4.0	9.3	102.7						
Lot 049	9.0	11.1	93.0	28	5		11.3	- 0.6	1000
Lot 049	14.0	18.3	91.5						
Lot 049	19.0	17.5	82.5						
Lot 050	4.0	6.6	102.8						
Lot 050	9.0	9.1	94.1						
Lot 050	14.0	24.6	96.3						
Lot 050	19.0	21.5	87.6						
Lot 051	4.0	10.7	109.5						
Lot 051	9.0	7.7	99.1						
Lot 051	14.0	21.7	92.3						
Lot 051	19.0	24.5	97.1						

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs, (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## SUMMARY OF LABORATORY TEST RESULTS

JOB No. 184203  
FIGURE No. 102  
PAGE 6 OF 23  
DATE Sep/16/2021

Test Boring No.	Depth	Water Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	% Retained No.4 Sieve	% Passing No. 200 Sieve	% Swell/ Collapse	Load (psf)
Lot 052	4.0	9.3	102.0						
Lot 052	9.0	10.8	97.2						
Lot 052	14.0	20.7	96.4						
Lot 052	19.0	19.1	89.1						
Lot 053	4.0	8.1	102.0						
Lot 053	9.0	7.5	97.9						
Lot 053	14.0	15.4	95.9						
Lot 053	19.0	18.2	86.6						
Lot 054	4.0	13.2	98.8						
Lot 054	9.0	9.3	93.5						
Lot 054	14.0	12.3	91.0						
Lot 054	19.0	17.5	84.7						
Lot 055	4.0	8.0	94.7	25	5	0.0	27.4	- 3.2	1000
Lot 055	9.0	9.0	89.8						
Lot 055	14.0	14.4	88.4						
Lot 055	19.0	18.2	91.6						
Lot 056	4.0	14.3	95.3						
Lot 056	9.0	9.3	87.6						
Lot 056	14.0	14.1	86.3						
Lot 056	19.0	5.6							
Lot 057	4.0	14.0	91.4						
Lot 057	9.0	9.1	92.3						
Lot 057	14.0	25.6	75.1						
Lot 057	19.0	19.2							
Lot 058	4.0	16.1	91.6						
Lot 058	9.0	21.6	105.1						
Lot 058	14.0	12.0	93.5						
Lot 058	19.0	19.5	86.9						
Lot 059	4.0	10.7	98.0						
Lot 059	9.0	13.1	76.4						
Lot 059	14.0	12.2	88.1						
Lot 059	19.0	17.9							
Lot 060	4.0	11.9	102.8						
Lot 060	9.0	16.2	84.4						

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs, (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## SUMMARY OF LABORATORY TEST RESULTS

JOB No. 184203  
FIGURE No. 102  
PAGE 7 OF 23  
DATE Sep/16/2021



Test Boring No.	Depth	Water Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	% Retained No.4 Sieve	% Passing No. 200 Sieve	% Swell/ Collapse	Load (psf)
Lot 060	14.0	12.7	96.5						
Lot 060	19.0	18.2	83.4						
Lot 061	4.0	7.9	95.9						
Lot 061	9.0	15.2	100.5						
Lot 061	14.0	13.6	91.0						
Lot 061	19.0	18.1	86.9						
Lot 062	4.0	11.1	102.9	21	6		35.0	- 0.5	1000
Lot 062	9.0	22.6	100.3						
Lot 062	14.0	15.1	94.2						
Lot 062	19.0	18.8	99.5						
Lot 063	4.0	9.5	105.6						
Lot 063	9.0	17.1	110.4						
Lot 063	14.0	12.8	92.8						
Lot 063	19.0	14.6	106.9						
Lot 064	4.0	9.5	104.3						
Lot 064	9.0	10.2	123.3						
Lot 064	14.0	12.6	110.5						
Lot 064	19.0	18.8	103.7						
Lot 065	4.0	9.7	105.0						
Lot 065	9.0	16.9	104.7						
Lot 065	14.0	14.1	101.5						
Lot 065	19.0	20.8	96.5						
Lot 066	4.0	6.7	104.5						
Lot 066	9.0	10.4	104.0						
Lot 066	14.0	14.8	101.0						
Lot 066	19.0	19.3	89.6						
Lot 067	4.0	7.4	108.1						
Lot 067	9.0	13.5	105.3						
Lot 067	14.0	18.3	99.3						
Lot 067	19.0	24.6	89.8						
Lot 068	4.0	9.3	113.7						
Lot 068	9.0	10.4	106.3						
Lot 068	14.0	18.7	98.5						
Lot 068	19.0	19.4	92.4						

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs, (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## SUMMARY OF LABORATORY TEST RESULTS

JOB No. 184203  
FIGURE No. 102  
PAGE 8 OF 23  
DATE Sep/16/2021

Test Boring No.	Depth	Water Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	% Retained No.4 Sieve	% Passing No. 200 Sieve	% Swell/ Collapse	Load (psf)
Lot 069	4.0	12.0	114.7	19	2		23.4	- 0.2	1000
Lot 069	9.0	9.7	101.7						
Lot 069	14.0	13.7	100.6						
Lot 069	19.0	23.5	93.0						
Lot 070	4.0	13.1	116.4						
Lot 070	9.0	8.2	107.6						
Lot 070	14.0	11.6	105.3						
Lot 070	19.0	20.8	97.5						
Lot 071	4.0	12.3	116.7						
Lot 071	9.0	9.4	109.7						
Lot 071	14.0	12.6	107.9						
Lot 071	19.0	22.4	102.7						
Lot 072	4.0	12.6	117.3						
Lot 072	9.0	10.4	114.5						
Lot 072	14.0	13.1	110.8						
Lot 072	19.0	20.3	104.4						
Lot 073	4.0	11.6	116.8						
Lot 073	9.0	11.8	116.1						
Lot 073	14.0	13.2	102.4						
Lot 073	19.0	22.2	103.0						
Lot 074	4.0	10.2	105.3						
Lot 074	9.0	12.1	117.3						
Lot 074	14.0	14.7	94.8						
Lot 074	19.0	29.0	89.0						
Lot 075	4.0	8.9	95.5						
Lot 075	9.0	12.5	105.9						
Lot 075	14.0	16.5	91.1						
Lot 075	19.0	22.9	104.5						
Lot 076	4.0	9.8	88.9						
Lot 076	9.0	15.1	102.5						
Lot 076	14.0	17.3	102.8						
Lot 077	4.0	10.4	102.6						
Lot 077	9.0	12.5	111.2						
Lot 077	14.0	16.6	91.1						

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs, (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## SUMMARY OF LABORATORY TEST RESULTS

JOB No. 184203  
FIGURE No. 102  
PAGE 9 OF 23  
DATE Sep/16/2021

Test Boring No.	Depth	Water Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	% Retained No.4 Sieve	% Passing No. 200 Sieve	% Swell/ Collapse	Load (psf)
Lot 077	19.0	24.4	93.7						
Lot 078	4.0	10.4	111.6						
Lot 078	9.0	10.5	97.3						
Lot 078	14.0	15.9	89.1						
Lot 078	19.0	23.5	89.7						
Lot 079	4.0	10.2	108.4						
Lot 079	9.0	10.5	94.0						
Lot 079	14.0	18.4	89.6						
Lot 079	19.0	26.3	86.1						
Lot 080	4.0	12.1	108.0						
Lot 080	9.0	10.3	92.9	NP	NP		15.7	- 0.6	1000
Lot 080	14.0	21.1	90.9						
Lot 080	19.0	24.2	87.1						
Lot 081	4.0	9.6	99.3						
Lot 081	9.0	11.5	89.2						
Lot 081	14.0	44.6	71.2						
Lot 081	19.0	29.2	86.9						
Lot 082	4.0	15.4	109.4	NP	NP		32.8	0.0	1000
Lot 082	9.0	7.7	103.5						
Lot 082	14.0	18.7	94.5						
Lot 082	19.0	26.2	93.2						
Lot 083	4.0	9.3	102.7						
Lot 083	9.0	9.2	107.7						
Lot 083	14.0	16.1	104.5						
Lot 083	19.0	23.4	98.7						
Lot 084	4.0	10.4	99.5						
Lot 084	9.0	8.5	108.8						
Lot 084	14.0	12.2	90.3						
Lot 084	19.0	23.4	99.7						
Lot 085	4.0	10.4	105.3						
Lot 085	9.0	13.0	103.0	23	6		41.9	- 1.0	1000
Lot 085	14.0	18.2	82.4						
Lot 085	19.0	26.5	92.0						
Lot 086	4.0	11.4	110.1						

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs, (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## SUMMARY OF LABORATORY TEST RESULTS

JOB No. 184203  
FIGURE No. 102  
PAGE 10 OF 23  
DATE Sep/16/2021

Test Boring No.	Depth	Water Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	% Retained No.4 Sieve	% Passing No. 200 Sieve	% Swell/ Collapse	Load (psf)
Lot 086	9.0	9.8							
Lot 086	14.0	12.3	95.3						
Lot 086	19.0	27.1	86.7						
Lot 087	4.0	9.7	104.1						
Lot 087	9.0	12.4	100.7						
Lot 087	14.0	18.1	85.5						
Lot 087	19.0	25.5							
Lot 088	4.0	10.2	108.1						
Lot 088	9.0	9.1	91.5						
Lot 088	14.0	19.8	102.2						
Lot 088	19.0	28.7	88.7						
Lot 089	4.0	11.5	107.0						
Lot 089	9.0	5.4	105.1						
Lot 089	14.0	18.6	93.8						
Lot 089	19.0	23.2	92.2						
Lot 090	4.0	4.9	94.4						
Lot 090	9.0	8.7	92.0	NP	NP		13.7	- 0.1	1000
Lot 090	14.0	14.4	94.5						
Lot 091	4.0	9.1	104.6						
Lot 091	9.0	13.0	86.4						
Lot 091	14.0	12.4	89.9						
Lot 091	19.0	18.8							
Lot 092	4.0	7.8	99.1						
Lot 092	9.0	13.1	94.3						
Lot 092	14.0	11.5	87.4						
Lot 092	19.0	19.1	88.0						
Lot 093	4.0	8.4	96.2						
Lot 093	9.0	12.3	81.7	NP	NP		38.0	- 0.1	1000
Lot 093	14.0	11.3	71.0						
Lot 093	19.0	17.5	87.8						
Lot 094	4.0	9.0	104.9						
Lot 094	9.0	8.1	85.9						
Lot 094	14.0	10.4	88.3						
Lot 094	19.0	17.0	87.7						

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs, (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## SUMMARY OF LABORATORY TEST RESULTS

JOB No. 184203  
FIGURE No. 102  
PAGE 11 OF 23  
DATE Sep/16/2021

Test Boring No.	Depth	Water Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	% Retained No.4 Sieve	% Passing No. 200 Sieve	% Swell/ Collapse	Load (psf)
Lot 095	4.0	8.2	111.8						
Lot 095	9.0	8.3							
Lot 095	14.0	10.7	88.4						
Lot 095	19.0	20.1	89.5						
Lot 096	4.0	7.2	96.7						
Lot 096	9.0	6.7	95.0						
Lot 096	14.0	11.6	102.3						
Lot 097	4.0	6.7	105.3						
Lot 097	9.0	8.9	93.4						
Lot 097	14.0	16.3	93.4						
Lot 097	19.0	22.1	91.8						
Lot 098	4.0	6.8	103.3						
Lot 098	9.0	7.1	99.4						
Lot 098	14.0	21.8	97.6						
Lot 098	19.0	26.0	93.0						
Lot 099	4.0	8.0	93.6	20	2		28.0	- 0.4	1000
Lot 099	9.0	9.5	91.5						
Lot 099	14.0	25.3	95.2						
Lot 100	4.0	9.3	103.6						
Lot 100	9.0	6.3	100.6						
Lot 100	14.0	32.6	94.9						
Lot 100	19.0	3.3							
Lot 101	4.0	11.9	105.0						
Lot 101	9.0	10.8	91.9						
Lot 101	14.0	21.0	100.2						
Lot 101	19.0	6.9							
Lot 102	4.0	9.9	114.8						
Lot 102	9.0	10.8	101.9	21	3		32.1	- 2.3	1000
Lot 102	14.0	15.0	95.6						
Lot 102	19.0	25.7	96.6						
Lot 103	4.0	9.2	113.1						
Lot 103	9.0	13.6	104.5						
Lot 103	14.0	22.9	98.3						
Lot 103	19.0	27.8	93.4						

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs, (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## SUMMARY OF LABORATORY TEST RESULTS

JOB No. 184203  
FIGURE No. 102  
PAGE 12 OF 23  
DATE Sep/16/2021

Test Boring No.	Depth	Water Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	% Retained No.4 Sieve	% Passing No. 200 Sieve	% Swell/ Collapse	Load (psf)
Lot 104	4.0	9.0	110.4						
Lot 104	9.0	15.9	96.7						
Lot 104	14.0	20.0	93.9						
Lot 104	19.0	25.1	103.8						
Lot 105	4.0	10.4	107.9						
Lot 105	9.0	10.0	92.5						
Lot 105	14.0	23.6	94.9						
Lot 105	19.0	25.5	92.7						
Lot 106	4.0	8.1	101.6						
Lot 106	9.0	9.5	97.6						
Lot 106	14.0	15.8	109.5						
Lot 106	19.0	25.7							
Lot 107	4.0	9.6	107.7						
Lot 107	9.0	9.0							
Lot 107	14.0	19.2	92.0						
Lot 107	19.0	24.8							
Lot 108	4.0	11.6	102.5						
Lot 108	9.0	7.4	94.2	25	5		48.5	- 5.1	1000
Lot 108	14.0	13.9	94.2						
Lot 108	19.0	20.9	96.2						
Lot 109	4.0	7.9	104.7						
Lot 109	9.0	9.4	94.2						
Lot 109	14.0	12.3	95.0						
Lot 109	19.0	22.0							
Lot 110	4.0	7.1	106.0						
Lot 110	9.0	7.6	91.4	NP	NP		27.2	- 2.1	1000
Lot 110	14.0	14.1	98.6						
Lot 110	19.0	23.2	83.7						
Lot 111	4.0	9.9	92.3						
Lot 111	9.0	12.6	96.1						
Lot 111	14.0	17.6	91.6						
Lot 112	4.0	6.6	90.9	NP	NP		25.1	- 2.4	1000
Lot 112	9.0	12.9	93.7						
Lot 112	14.0	10.8	100.9						

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs, (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Spings, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## SUMMARY OF LABORATORY TEST RESULTS

JOB No. 184203  
FIGURE No. 102  
PAGE 13 OF 23  
DATE Sep/16/2021

Test Boring No.	Depth	Water Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	% Retained No.4 Sieve	% Passing No. 200 Sieve	% Swell/ Collapse	Load (psf)
Lot 112	19.0	26.4	93.7						
Lot 113	4.0	9.7	92.9						
Lot 113	9.0	9.3	90.0						
Lot 113	14.0	17.0	91.0						
Lot 113	19.0	19.3							
Lot 114	4.0	10.7	110.8	22	3		33.5	- 0.7	1000
Lot 114	9.0	12.8	94.7						
Lot 114	14.0	25.6	91.9						
Lot 114	19.0	27.5	100.1						
Lot 115	4.0	11.8	101.2						
Lot 115	9.0	8.5	100.3						
Lot 115	14.0	27.3	91.5						
Lot 115	19.0	27.2	99.6						
Lot 116	4.0	10.4	97.2						
Lot 116	9.0	10.8	93.4						
Lot 116	14.0	26.7	95.3						
Lot 117	4.0	10.6	100.7	21	3		34.2	- 1.7	1000
Lot 117	9.0	9.0	95.1						
Lot 117	14.0	23.1	88.7						
Lot 117	19.0	25.6	88.7						
Lot 118	4.0	9.2	100.7						
Lot 118	9.0	10.1	92.2						
Lot 118	14.0	22.6	89.5						
Lot 118	19.0	25.4	90.9						
Lot 119	4.0	10.9	121.0						
Lot 119	9.0	11.0	97.2						
Lot 119	14.0	25.7	102.7						
Lot 119	19.0	26.7	87.1						
Lot 120	4.0	10.6	101.3						
Lot 120	9.0	9.2	96.9						
Lot 120	14.0	14.6	112.7						
Lot 120	19.0	19.5	106.7						
Lot 121	4.0	15.1	96.0						
Lot 121	9.0	10.7	91.2	NP	NP	0.0	13.9	- 0.3	1000

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs, (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## SUMMARY OF LABORATORY TEST RESULTS

JOB No. 184203  
FIGURE No. 102  
PAGE 14 OF 23  
DATE Sep/16/2021

Test Boring No.	Depth	Water Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	% Retained No.4 Sieve	% Passing No. 200 Sieve	% Swell/ Collapse	Load (psf)
Lot 121	14.0	24.7	93.9						
Lot 121	19.0	28.2	91.2						
Lot 122	4.0	6.2	102.3						
Lot 122	9.0	9.7	94.2						
Lot 122	14.0	26.8	94.9						
Lot 122	19.0	27.5	94.4						
Lot 123	4.0	8.7	102.7						
Lot 123	9.0	7.8	100.9						
Lot 123	14.0	25.6	95.6						
Lot 123	19.0	28.7	93.9						
Lot 124	4.0	9.5	100.9	23	4		52.3	- 1.0	1000
Lot 124	9.0	13.5	95.6						
Lot 124	14.0	25.6	92.5						
Lot 124	19.0	26.5	96.1						
Lot 125	4.0	9.7	100.0						
Lot 125	9.0	16.2	97.4						
Lot 125	14.0	16.5	97.1						
Lot 125	19.0	21.3	86.4						
Lot 126	4.0	8.5	103.2						
Lot 126	9.0	13.1	101.8						
Lot 126	14.0	15.8	96.9						
Lot 127	4.0	15.8	91.9						
Lot 127	9.0	14.6	80.2	27	6	5.9	12.3	- 0.1	1000
Lot 127	14.0	17.6	78.0						
Lot 127	19.0	23.0	84.8						
Lot 128	4.0	11.7	96.3						
Lot 128	9.0	14.3	87.7						
Lot 128	14.0	19.3	84.2						
Lot 128	19.0	18.6	76.4						
Lot 129	4.0	10.7	87.6						
Lot 129	9.0	14.8	84.8						
Lot 129	14.0	18.2	80.2						
Lot 129	19.0	20.2	71.4						
Lot 130	4.0	14.1	94.2						

ROCKY MOUNTAIN GROUP



Architectural  
Structural  
Forensics

Geotechnical  
Materials Testing  
Civil, Planning

*Colorado Springs, (Corporate Office)*  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

## SUMMARY OF LABORATORY TEST RESULTS

JOB No. 184203  
FIGURE No. 102  
PAGE 15 OF 23  
DATE Sep/16/2021



Test Boring No.	Depth	Water Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	% Retained No.4 Sieve	% Passing No. 200 Sieve	% Swell/ Collapse	Load (psf)
Lot 130	9.0	13.2	81.8						
Lot 130	14.0	17.2	85.9						
Lot 130	19.0	19.7	78.5						
Lot 131	4.0	9.3	97.1						
Lot 131	9.0	10.9							
Lot 131	14.0	17.8	72.8						
Lot 131	19.0	19.8	84.3						
Lot 132	4.0	12.9	99.3						
Lot 132	9.0	10.4	91.4						
Lot 132	14.0	22.0	90.9						
Lot 132	19.0	20.5	85.2						
Lot 133	4.0	9.9	107.1	20	3		41.6	- 0.2	1000
Lot 133	9.0	10.0	104.6						
Lot 133	14.0	16.0	98.2						
Lot 133	19.0	21.9	99.0						
Lot 134	4.0	9.6	106.0						
Lot 134	9.0	11.2	106.2						
Lot 134	14.0	16.0	106.2						
Lot 134	19.0	23.8	77.3						
Lot 135	4.0	11.2	108.9						
Lot 135	9.0	10.8	95.6						
Lot 135	14.0	12.1	97.5						
Lot 135	19.0	18.7	102.2						
Lot 136	4.0	13.8	111.7						
Lot 136	9.0	6.3	122.0						
Lot 136	14.0	13.1	82.6						
Lot 136	19.0	21.1	102.2						
Lot 137	4.0	11.7	111.5						
Lot 137	9.0	7.3	105.1						
Lot 137	14.0	13.4	102.2						
Lot 137	19.0	22.1	95.8						
Lot 138	4.0	12.3	118.5						
Lot 138	9.0	11.0	103.7	24	4		52.0	- 0.8	1000
Lot 138	14.0	15.4	102.3						

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs, (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## SUMMARY OF LABORATORY TEST RESULTS

JOB No. 184203  
FIGURE No. 102  
PAGE 16 OF 23  
DATE Sep/16/2021

Test Boring No.	Depth	Water Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	% Retained No.4 Sieve	% Passing No. 200 Sieve	% Swell/ Collapse	Load (psf)
Lot 138	19.0	22.7	97.7						
Lot 143	4.0	10.3	104.3						
Lot 143	9.0	10.8	101.2						
Lot 143	14.0	18.1	103.0						
Lot 143	19.0	21.7	98.3						
Lot 144	4.0	9.2	104.6	NP	NP		34.7	- 0.3	1000
Lot 144	9.0	10.2	107.4						
Lot 144	14.0	17.7	96.6						
Lot 144	19.0	19.6	80.2						
Lot 145	4.0	7.2	103.4						
Lot 145	9.0	9.8	99.7						
Lot 145	14.0	18.8	102.5						
Lot 145	19.0	19.5	96.9						
Lot 146	4.0	13.2	99.8						
Lot 146	9.0	10.2	103.0	NP	NP		14.4	- 0.4	1000
Lot 146	14.0	18.6	99.1						
Lot 146	19.0	20.7	95.0						
Lot 147	4.0	14.0	108.5						
Lot 147	9.0	9.7	105.4						
Lot 147	14.0	23.6	86.7						
Lot 147	19.0	22.1	89.5						
Lot 148	4.0	7.5	107.5						
Lot 148	9.0	9.7	103.5						
Lot 148	14.0	23.1	99.9						
Lot 148	19.0	23.8	96.8						
Lot 149	4.0	10.0	102.2	NP	NP		27.7	- 0.6	1000
Lot 149	9.0	10.5							
Lot 149	14.0	21.5	102.6						
Lot 149	19.0	23.2	100.9						
Lot 150	4.0	11.5	109.6						
Lot 150	9.0	11.5	98.8						
Lot 150	14.0	12.1	107.4						
Lot 150	19.0	19.9	95.3						
Lot 151	4.0	7.4	104.7						

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs, (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## SUMMARY OF LABORATORY TEST RESULTS

JOB No. 184203  
FIGURE No. 102  
PAGE 17 OF 23  
DATE Sep/16/2021

Test Boring No.	Depth	Water Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	% Retained No.4 Sieve	% Passing No. 200 Sieve	% Swell/ Collapse	Load (psf)
Lot 151	9.0	11.2	102.0						
Lot 151	14.0	13.4	99.0						
Lot 151	19.0	19.8	97.8						
Lot 152	4.0	11.0	99.4						
Lot 152	9.0	10.8	103.8						
Lot 152	14.0	13.1	95.2						
Lot 152	19.0	24.7	91.8						
Lot 153	4.0	6.8	101.9						
Lot 153	9.0	8.7	102.8						
Lot 153	14.0	12.9	101.2						
Lot 153	19.0	22.6	96.6						
Lot 154	4.0	6.7	102.1						
Lot 154	9.0	8.6	95.7						
Lot 154	14.0	12.7	98.6						
Lot 154	19.0	18.2	98.2						
Lot 159	4.0	6.6	100.9						
Lot 159	9.0	9.5	100.6						
Lot 159	14.0	13.3	100.5						
Lot 159	19.0	20.0	94.1						
Lot 160	4.0	6.2	104.3	NP	NP		20.5	- 0.6	1000
Lot 160	9.0	9.0	105.3						
Lot 160	14.0	10.4	92.5						
Lot 160	19.0	19.2	94.6						
Lot 161	4.0	4.6	100.1						
Lot 161	9.0	9.6	107.3						
Lot 161	14.0	15.5	103.8						
Lot 161	19.0	24.2	100.7						
Lot 162	4.0	6.6	102.3						
Lot 162	9.0	8.5	105.2						
Lot 162	14.0	14.2	106.6						
Lot 162	19.0	26.3	94.3						
Lot 163	4.0	6.3	102.6						
Lot 163	9.0	9.3	99.6	NP	NP	0.1	16.4	0.1	1000
Lot 163	14.0	17.1	100.1						

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs, (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## SUMMARY OF LABORATORY TEST RESULTS

JOB No. 184203  
FIGURE No. 102  
PAGE 18 OF 23  
DATE Sep/16/2021

Test Boring No.	Depth	Water Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	% Retained No.4 Sieve	% Passing No. 200 Sieve	% Swell/ Collapse	Load (psf)
Lot 163	19.0	16.7							
Lot 164	4.0	5.6	98.4						
Lot 164	9.0	11.6	108.9						
Lot 164	14.0	18.3	97.3						
Lot 164	19.0	17.4	97.4						
Lot 165	4.0	11.2	126.0						
Lot 165	9.0	10.8	97.4						
Lot 165	14.0	12.9	92.9						
Lot 165	19.0	17.5	78.5						
Lot 166	4.0	14.4	112.1						
Lot 166	9.0	11.6	98.4						
Lot 166	14.0	14.7	97.6						
Lot 166	19.0	19.2	79.1						
Lot 167	4.0	6.4	109.3						
Lot 167	9.0	10.3	85.2						
Lot 167	14.0	20.1	101.6						
Lot 167	19.0	27.7	98.3						
Lot 168	4.0	7.9	105.3	20	NP		25.2	- 0.5	1000
Lot 168	9.0	12.1	102.0						
Lot 168	14.0	11.3	95.4						
Lot 168	19.0	26.0	92.3						
Lot 169	4.0	6.3	104.4						
Lot 169	9.0	14.8	105.8						
Lot 169	14.0	9.7	96.3						
Lot 169	19.0	17.8	88.1						
Lot 170	4.0	7.9	111.7						
Lot 170	9.0	11.9	101.7						
Lot 170	14.0	8.7	98.3						
Lot 170	19.0	25.5	93.8						
Lot 171	4.0	12.5	114.3	18	2	0.0	29.8	- 0.3	1000
Lot 171	9.0	11.4	98.9						
Lot 171	14.0	13.8	96.3						
Lot 171	19.0	21.2	95.6						
Lot 207	4.0	12.3	83.8	NP	NP		23.9	- 0.7	1000

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs, (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## SUMMARY OF LABORATORY TEST RESULTS

JOB No. 184203  
FIGURE No. 102  
PAGE 19 OF 23  
DATE Sep/16/2021

Test Boring No.	Depth	Water Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	% Retained No.4 Sieve	% Passing No. 200 Sieve	% Swell/ Collapse	Load (psf)
Lot 207	9.0	9.6	78.2						
Lot 207	14.0	17.5	93.5						
Lot 207	19.0	21.6	88.5						
Lot 208	4.0	14.1	87.6						
Lot 208	9.0	14.4	81.3						
Lot 208	14.0	16.1	88.7						
Lot 208	19.0	20.4	99.8						
Lot 209	4.0	15.7	94.6						
Lot 209	9.0	13.0	76.6						
Lot 209	14.0	17.4	85.8						
Lot 209	19.0	19.2	92.5						
Lot 210	4.0	12.7	84.2						
Lot 210	9.0	17.1	88.2						
Lot 210	14.0	19.2	85.0						
Lot 210	19.0	19.8	84.9						
Lot 211	4.0	15.7	86.1						
Lot 211	9.0	11.0	92.1						
Lot 211	14.0	18.9	78.2						
Lot 211	19.0	18.9	88.8						
Lot 212	4.0	10.4	92.5						
Lot 212	9.0	11.4	80.9	NP	NP		20.9	- 0.8	1000
Lot 212	14.0	15.2	96.5						
Lot 212	19.0	17.0	81.4						
Lot 213	4.0	13.0	90.0						
Lot 213	9.0	10.9	94.5						
Lot 213	14.0	23.3	91.2						
Lot 213	19.0	18.9	91.8						
Lot 214	4.0	13.2	99.1						
Lot 214	9.0	10.2	88.6						
Lot 214	14.0	24.8	96.9						
Lot 214	19.0	24.6	83.6						
Lot 226	4.0	8.8	116.2						
Lot 226	9.0	12.8	92.7						
Lot 226	14.0	24.8	96.9						

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs, (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

## SUMMARY OF LABORATORY TEST RESULTS

JOB No. 184203  
FIGURE No. 102  
PAGE 20 OF 23  
DATE Sep/16/2021

Test Boring No.	Depth	Water Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	% Retained No.4 Sieve	% Passing No. 200 Sieve	% Swell/ Collapse	Load (psf)
Lot 226	19.0	24.6	83.6						
Lot 227	4.0	14.8	109.9	27	8		66.6	- 0.1	1000
Lot 227	9.0	12.8	92.7						
Lot 227	14.0	25.0	85.8						
Lot 227	19.0	33.4							
Lot 228	4.0	8.8							
Lot 228	9.0	8.7	98.3						
Lot 228	14.0	23.4	93.2						
Lot 228	19.0	21.9							
Lot 229	4.0	7.6	101.8						
Lot 229	9.0	14.2	92.0						
Lot 229	14.0	22.9	89.0						
Lot 229	19.0	17.9							
Lot 230	4.0	4.5	99.4						
Lot 230	9.0	12.6	94.2						
Lot 230	14.0	24.4	92.0						
Lot 231	4.0	9.8	100.0						
Lot 231	9.0	11.8	92.4						
Lot 231	14.0	23.0	96.2						
Lot 231	19.0	18.6							
Lot 232	4.0	4.9	99.5						
Lot 232	9.0	14.5	92.3						
Lot 232	14.0	24.3	90.2						
Lot 232	19.0	20.6							
Lot 233	4.0	7.5	100.4						
Lot 233	9.0	13.2	97.0	NP	NP		30.5	- 0.5	1000
Lot 233	14.0	17.4	94.4						
Lot 233	19.0	21.7							
Lot 234	4.0	9.0	103.7						
Lot 234	9.0	9.8	96.5						
Lot 234	14.0	18.1	98.8						
Lot 234	19.0	23.0							
Lot 235	4.0	10.0	108.9						
Lot 235	9.0	4.2	99.0						

ROCKY MOUNTAIN GROUP



## SUMMARY OF LABORATORY TEST RESULTS

JOB No. 184203  
FIGURE No. 102  
PAGE 21 OF 23  
DATE Sep/16/2021

Test Boring No.	Depth	Water Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	% Retained No.4 Sieve	% Passing No. 200 Sieve	% Swell/ Collapse	Load (psf)
Lot 235	14.0	15.0	92.6						
Lot 236	4.0	10.6	115.0						
Lot 236	9.0	10.1	89.6						
Lot 236	14.0	14.2	97.8						
Lot 236	19.0	21.9							
Lot 237	4.0	9.7	113.2	NP	NP	0.0	28.1	- 0.6	1000
Lot 237	9.0	17.6	93.9						
Lot 237	14.0	16.0	97.2						
Lot 237	19.0	20.4							
Lot 238	4.0	6.4	100.7						
Lot 238	9.0	9.2	91.8						
Lot 238	14.0	16.3	89.6						
Lot 238	19.0	23.0							
Lot 239	4.0	9.5	118.1						
Lot 239	9.0	14.6	111.7						
Lot 239	14.0	13.0	93.8						
Lot 239	19.0	18.9							
Lot 240	4.0	11.9	109.6						
Lot 240	9.0	9.8	92.1						
Lot 240	14.0	16.3	96.5						
Lot 240	19.0	16.5							
Lot 241	4.0	10.7	113.3						
Lot 241	9.0	7.2	97.6						
Lot 241	14.0	11.6	98.4						
Lot 241	19.0	21.4							
Lot 242	4.0	10.4	113.1						
Lot 242	9.0	5.6	100.2						
Lot 242	14.0	12.2	86.2						
Lot 242	19.0	24.6							
Lot 243	4.0	6.9	103.3						
Lot 243	9.0	5.0	99.3						
Lot 243	14.0	11.3	91.9						
Lot 243	19.0	24.8							
Lot 354	4.0	5.5	102.2						

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs, (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

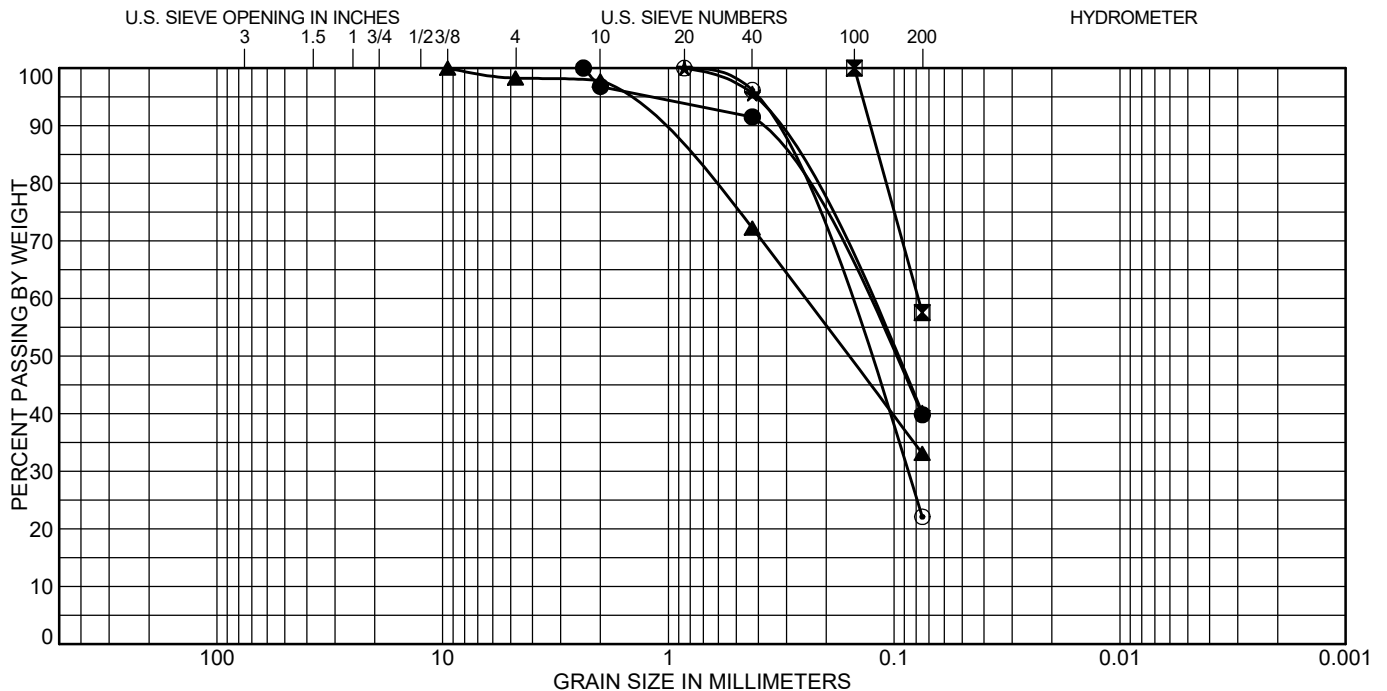
Geotechnical  
Materials Testing  
Civil, Planning

## SUMMARY OF LABORATORY TEST RESULTS

JOB No. 184203  
FIGURE No. 102  
PAGE 22 OF 23  
DATE Sep/16/2021

Test Boring No.	Depth	Water Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	% Retained No.4 Sieve	% Passing No. 200 Sieve	% Swell/ Collapse	Load (psf)
Lot 354	9.0	13.2	94.2						
Lot 354	14.0	23.4	98.5						
Lot 354	19.0	24.1							
Lot 355	4.0	6.4	105.2						
Lot 355	9.0	10.4	95.8						
Lot 355	14.0	15.8	88.5						
Lot 355	19.0	18.2	111.2						
Lot 356	4.0	5.2							
Lot 356	9.0	7.7	98.7						
Lot 356	14.0	14.6	94.6						
Lot 356	19.0	18.7							
Lot 357	4.0	9.6	106.1						
Lot 357	9.0	8.4	92.6						
Lot 357	14.0	14.8	90.8						
Lot 357	19.0	25.2	94.0						
Lot 358	4.0	10.3	104.4						
Lot 358	9.0	9.9	100.2						
Lot 358	14.0	18.8	82.7						
Lot 358	19.0	17.6							
Lot 359	4.0	6.4	107.6	20	3	0.0	33.6	- 3.4	1000
Lot 359	9.0	6.2	95.2						
Lot 359	14.0	16.1	96.4						
Lot 359	19.0	19.2							
Lot 360	4.0	7.8	105.2						
Lot 360	9.0	7.9	97.6						
Lot 360	14.0	17.2	99.7						
Lot 360	19.0	21.3							





COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Test Boring	Depth (ft)	Classification	LL	PL	PI
● Lot 003	9.0	SILTY SAND(SM)	35	28	7
⊠ Lot 009	9.0	SANDY SILT(ML)	34	25	9
▲ Lot 015	4.0	SILTY SAND(SM)	20	20	NP
★ Lot 019	9.0	CLAYEY SAND(SC)	43	17	26
⊙ Lot 023	4.0	SILTY SAND(SM)	NP	NP	NP

Test Boring	Depth (ft)	%Gravel	%Sand	%Silt	%Clay
● Lot 003	9.0	0.0	60.2	39.8	
⊠ Lot 009	9.0	0.0	42.4	57.6	
▲ Lot 015	4.0	1.7	65.2	33.1	
★ Lot 019	9.0	0.0	59.8	40.2	
⊙ Lot 023	4.0	0.0	77.9	22.1	

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs, (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

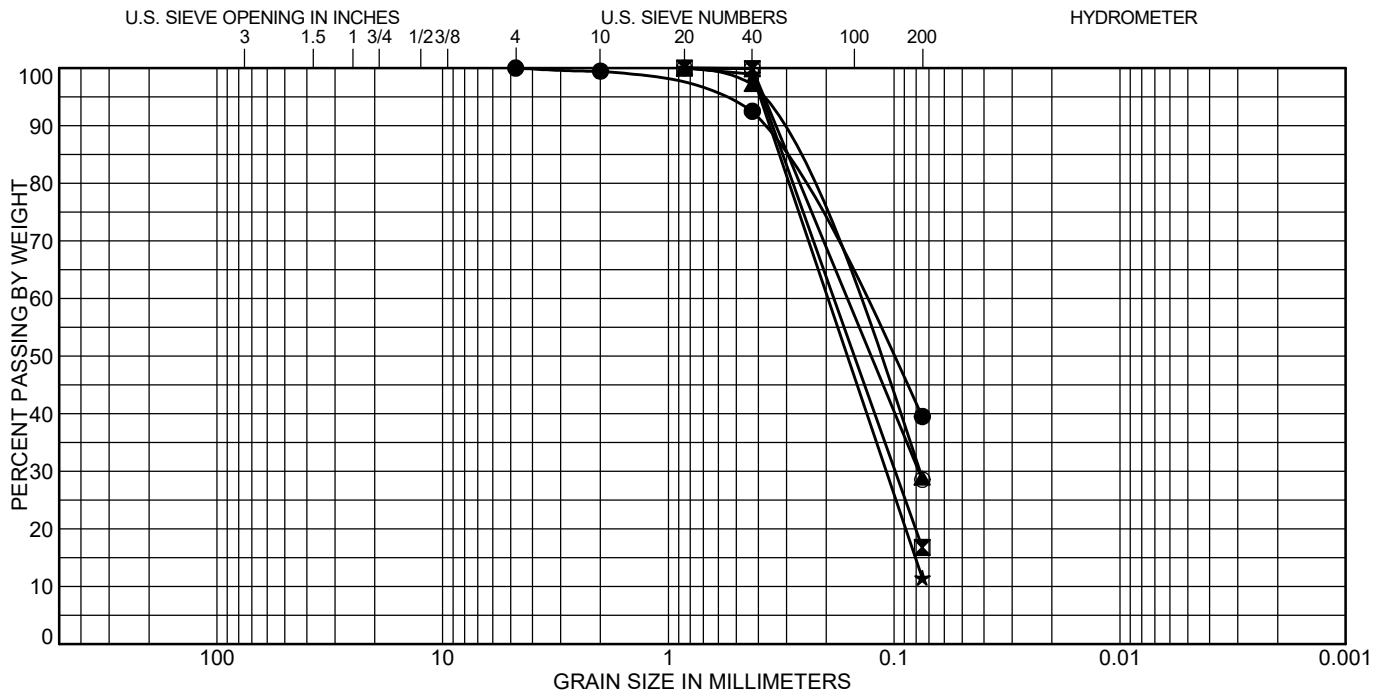
Geotechnical  
Materials Testing  
Civil, Planning

## SOIL CLASSIFICATION DATA

JOB No. 184203

FIGURE No. 103

DATE Sep/16/2021



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Test Boring	Depth (ft)	Classification	LL	PL	PI
● Lot 025	4.0	SILTY SAND(SM)	34	26	8
⊠ Lot 031	9.0	SILTY SAND(SM)	NP	NP	NP
▲ Lot 035	4.0	SILTY SAND(SM)	20	18	2
★ Lot 041	9.0	POORLY GRADED SAND with SILT(SP-SM)	NP	NP	NP
⊙ Lot 042	9.0	SILTY SAND(SM)	30	23	7

Test Boring	Depth (ft)	%Gravel	%Sand	%Silt	%Clay
● Lot 025	4.0	0.0	60.5	39.5	
⊠ Lot 031	9.0	0.0	83.2	16.8	
▲ Lot 035	4.0	0.0	71.2	28.8	
★ Lot 041	9.0	0.0	88.5	11.5	
⊙ Lot 042	9.0	0.0	71.4	28.6	

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs, (Corporate Office)

2910 Austin Bluffs Parkway

Colorado Springs, CO 80918

(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

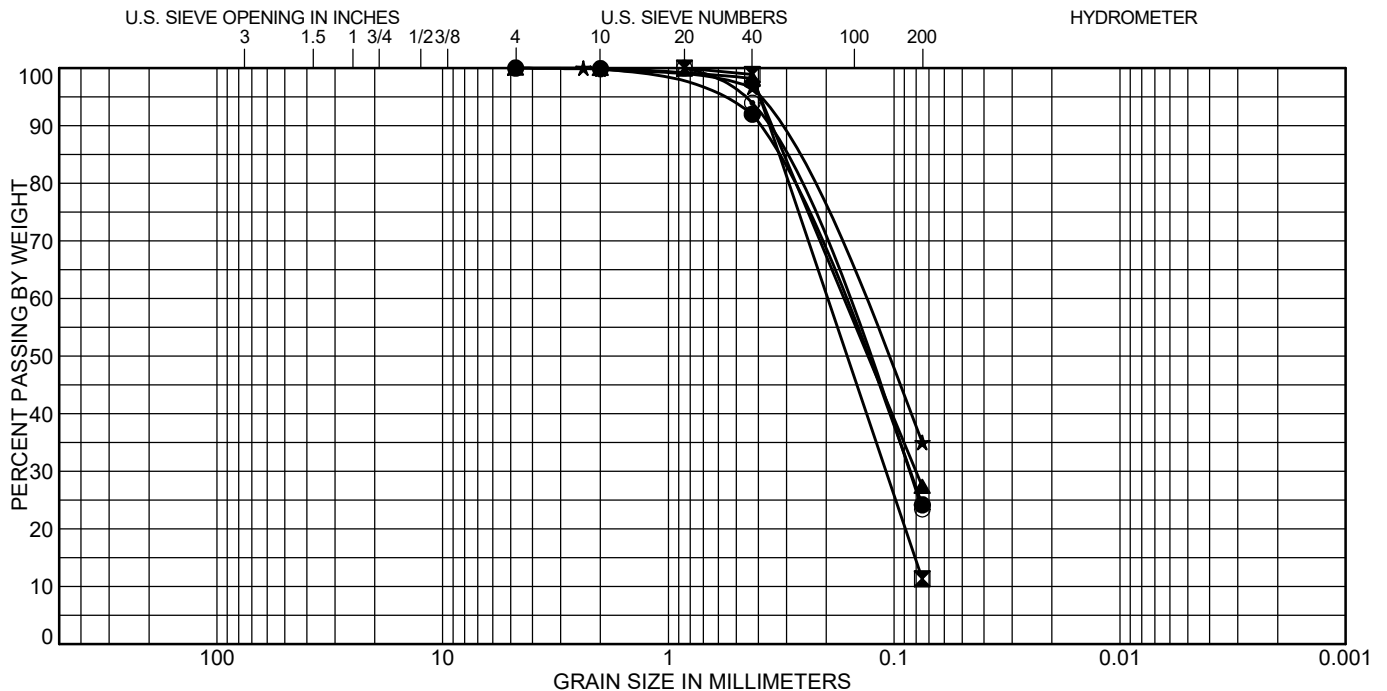
Geotechnical  
Materials Testing  
Civil, Planning

## SOIL CLASSIFICATION DATA

JOB No. 184203

FIGURE No. 104

DATE Sep/16/2021



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Test Boring	Depth (ft)	Classification	LL	PL	PI
● Lot 044	4.0	SILTY SAND(SM)	NP	NP	NP
⊠ Lot 049	9.0	POORLY GRADED SAND with SILT(SP-SM)	28	23	5
▲ Lot 055	4.0	SILTY, CLAYEY SAND(SC-SM)	25	20	5
★ Lot 062	4.0	SILTY, CLAYEY SAND(SC-SM)	21	15	6
⊙ Lot 069	4.0	SILTY SAND(SM)	19	17	2

Test Boring	Depth (ft)	%Gravel	%Sand	%Silt	%Clay
● Lot 044	4.0	0.0	75.8	24.2	
⊠ Lot 049	9.0	0.0	88.7	11.3	
▲ Lot 055	4.0	0.0	72.6	27.4	
★ Lot 062	4.0	0.0	65.0	35.0	
⊙ Lot 069	4.0	0.0	76.6	23.4	

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs, (Corporate Office)

2910 Austin Bluffs Parkway

Colorado Springs, CO 80918

(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

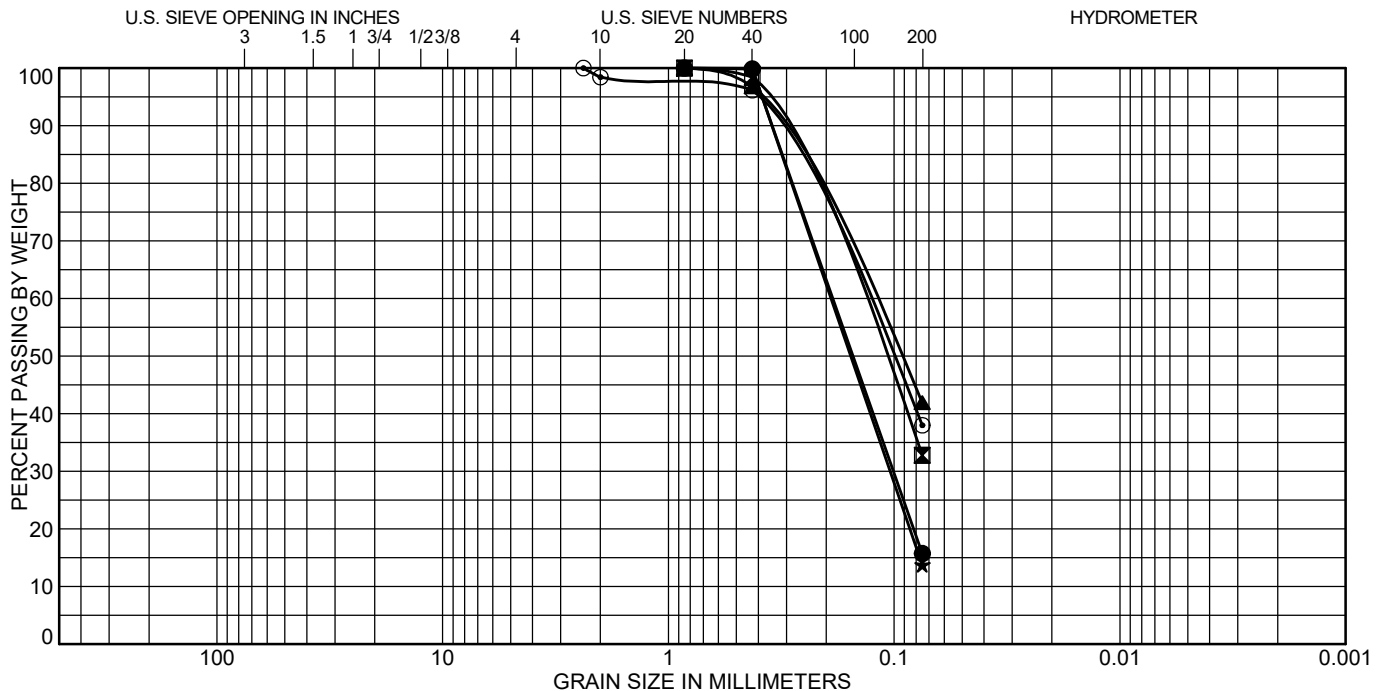
Geotechnical  
Materials Testing  
Civil, Planning

## SOIL CLASSIFICATION DATA

JOB No. 184203

FIGURE No. 105

DATE Sep/16/2021



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Test Boring	Depth (ft)	Classification	LL	PL	PI
● Lot 080	9.0	SILTY SAND(SM)	NP	NP	NP
⊠ Lot 082	4.0	SILTY SAND(SM)	NP	NP	NP
▲ Lot 085	9.0	SILTY, CLAYEY SAND(SC-SM)	23	17	6
★ Lot 090	9.0	SILTY SAND(SM)	NP	NP	NP
⊙ Lot 093	9.0	SILTY SAND(SM)	NP	NP	NP

Test Boring	Depth (ft)	%Gravel	%Sand	%Silt	%Clay
● Lot 080	9.0	0.0	84.3	15.7	
⊠ Lot 082	4.0	0.0	67.2	32.8	
▲ Lot 085	9.0	0.0	58.1	41.9	
★ Lot 090	9.0	0.0	86.3	13.7	
⊙ Lot 093	9.0	0.0	62.0	38.0	

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs, (Corporate Office)

2910 Austin Bluffs Parkway

Colorado Springs, CO 80918

(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

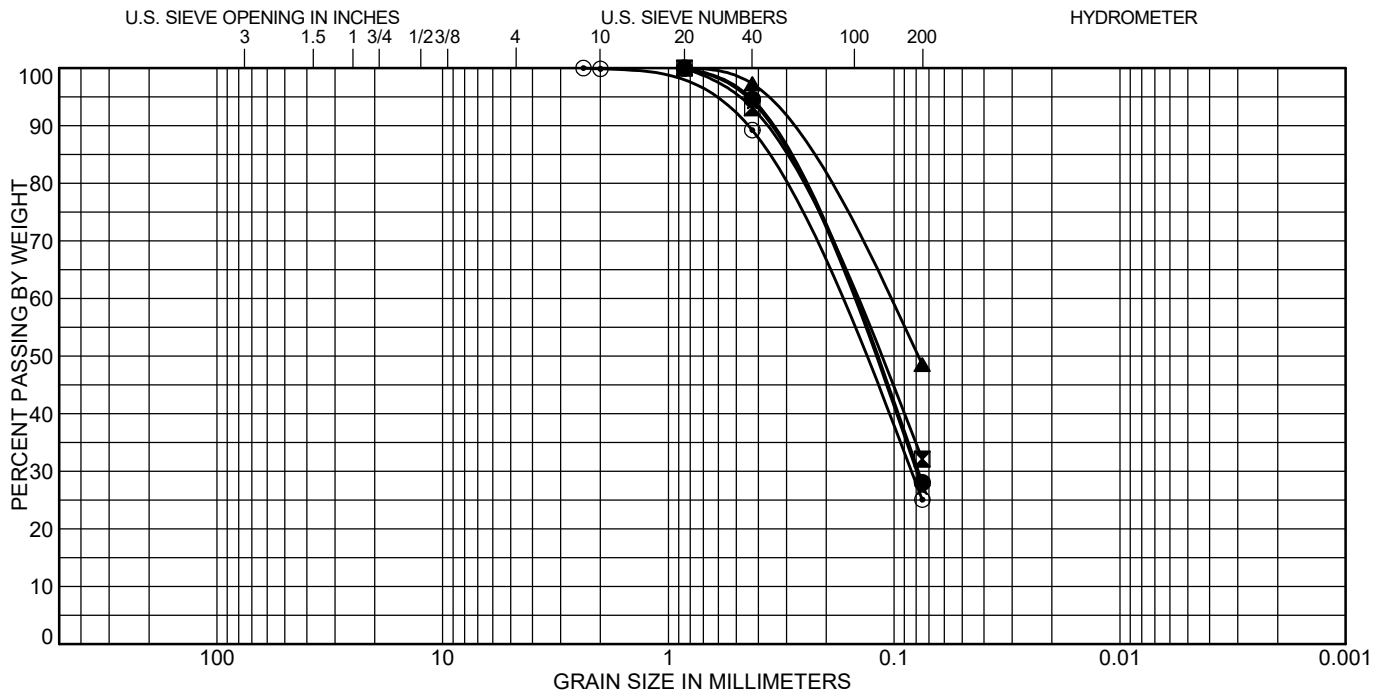
Geotechnical  
Materials Testing  
Civil, Planning

## SOIL CLASSIFICATION DATA

JOB No. 184203

FIGURE No. 106

DATE Sep/16/2021



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Test Boring	Depth (ft)	Classification	LL	PL	PI
● Lot 099	4.0	SILTY SAND(SM)	20	18	2
⊠ Lot 102	9.0	SILTY SAND(SM)	21	18	3
▲ Lot 108	9.0	SILTY, CLAYEY SAND(SC-SM)	25	20	5
★ Lot 110	9.0	SILTY SAND(SM)	NP	NP	NP
⊙ Lot 112	4.0	SILTY SAND(SM)	NP	NP	NP

Test Boring	Depth (ft)	%Gravel	%Sand	%Silt	%Clay
● Lot 099	4.0	0.0	72.0	28.0	
⊠ Lot 102	9.0	0.0	67.9	32.1	
▲ Lot 108	9.0	0.0	51.5	48.5	
★ Lot 110	9.0	0.0	72.8	27.2	
⊙ Lot 112	4.0	0.0	74.9	25.1	

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs, (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

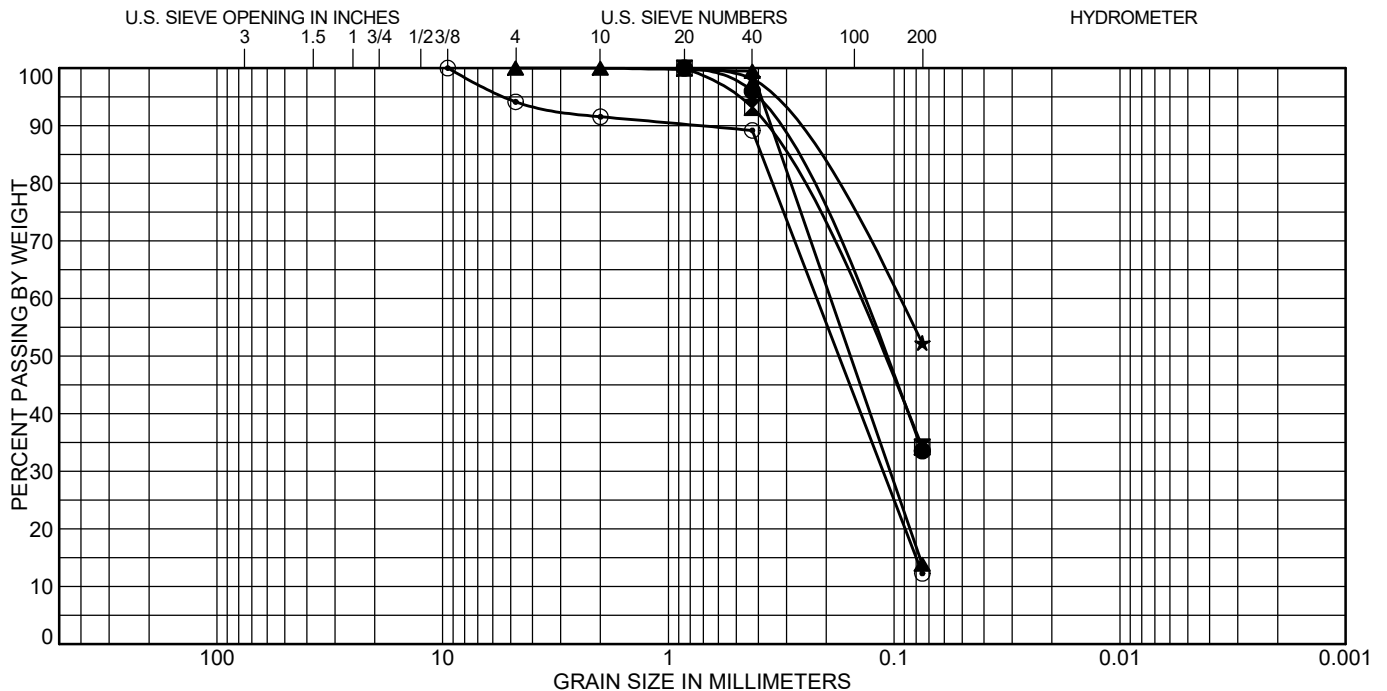
Geotechnical  
Materials Testing  
Civil, Planning

## SOIL CLASSIFICATION DATA

JOB No. 184203

FIGURE No. 107

DATE Sep/16/2021



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Test Boring	Depth (ft)	Classification	LL	PL	PI
● Lot 114	4.0	SILTY SAND(SM)	22	19	3
⊠ Lot 117	4.0	SILTY SAND(SM)	21	18	3
▲ Lot 121	9.0	SILTY SAND(SM)	NP	NP	NP
★ Lot 124	4.0	SANDY SILTY CLAY(CL-ML)	23	19	4
⊙ Lot 127	9.0	SILTY, CLAYEY SAND(SC-SM)	27	21	6

Test Boring	Depth (ft)	%Gravel	%Sand	%Silt	%Clay
● Lot 114	4.0	0.0	66.5	33.5	
⊠ Lot 117	4.0	0.0	65.8	34.2	
▲ Lot 121	9.0	0.0	86.1	13.9	
★ Lot 124	4.0	0.0	47.7	52.3	
⊙ Lot 127	9.0	5.9	81.9	12.3	

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs, (Corporate Office)  
2910 Austin Bluffs Parkway  
Colorado Springs, CO 80918  
(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

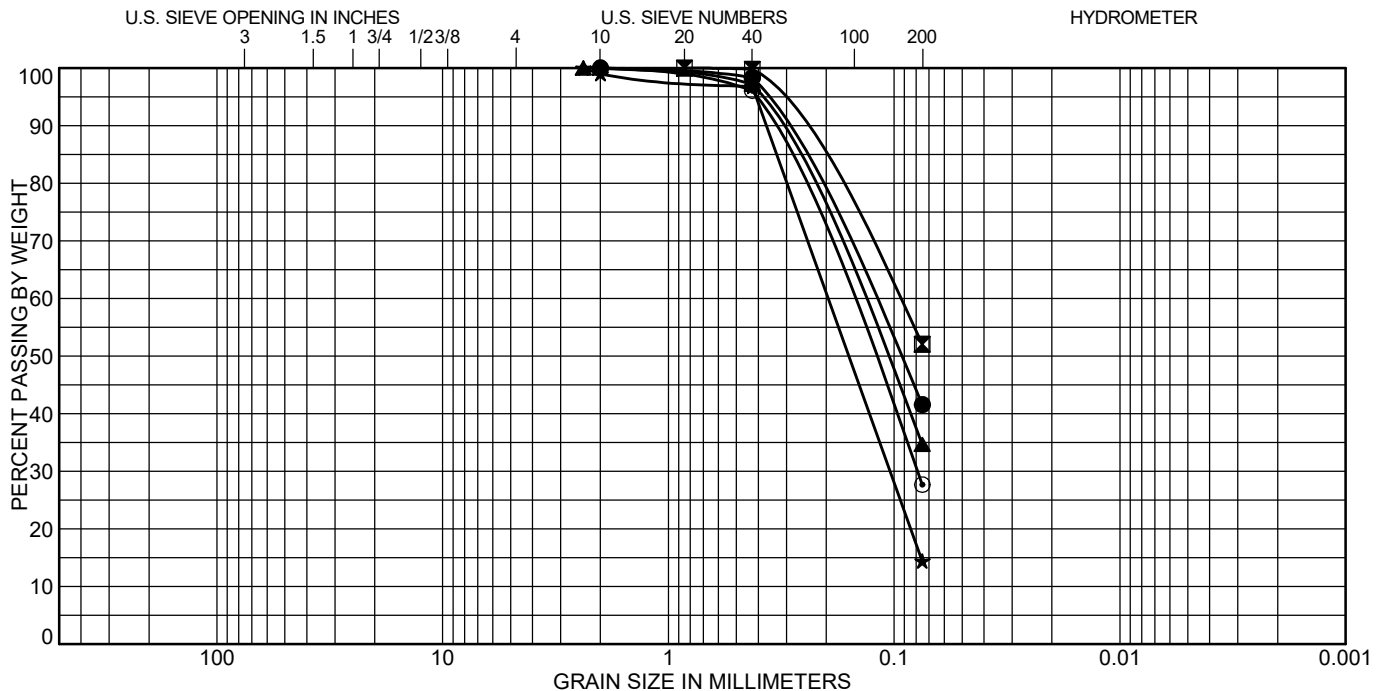
Geotechnical  
Materials Testing  
Civil, Planning

## SOIL CLASSIFICATION DATA

JOB No. 184203

FIGURE No. 108

DATE Sep/16/2021



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Test Boring	Depth (ft)	Classification	LL	PL	PI
● Lot 133	4.0	SILTY SAND(SM)	20	17	3
⊠ Lot 138	9.0	SANDY SILTY CLAY(CL-ML)	24	20	4
▲ Lot 144	4.0	SILTY SAND(SM)	NP	NP	NP
★ Lot 146	9.0	SILTY SAND(SM)	NP	NP	NP
⊙ Lot 149	4.0	SILTY SAND(SM)	NP	NP	NP

Test Boring	Depth (ft)	%Gravel	%Sand	%Silt	%Clay
● Lot 133	4.0	0.0	58.4	41.6	
⊠ Lot 138	9.0	0.0	48.0	52.0	
▲ Lot 144	4.0	0.0	65.3	34.7	
★ Lot 146	9.0	0.0	85.6	14.4	
⊙ Lot 149	4.0	0.0	72.3	27.7	

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs, (Corporate Office)

2910 Austin Bluffs Parkway

Colorado Springs, CO 80918

(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

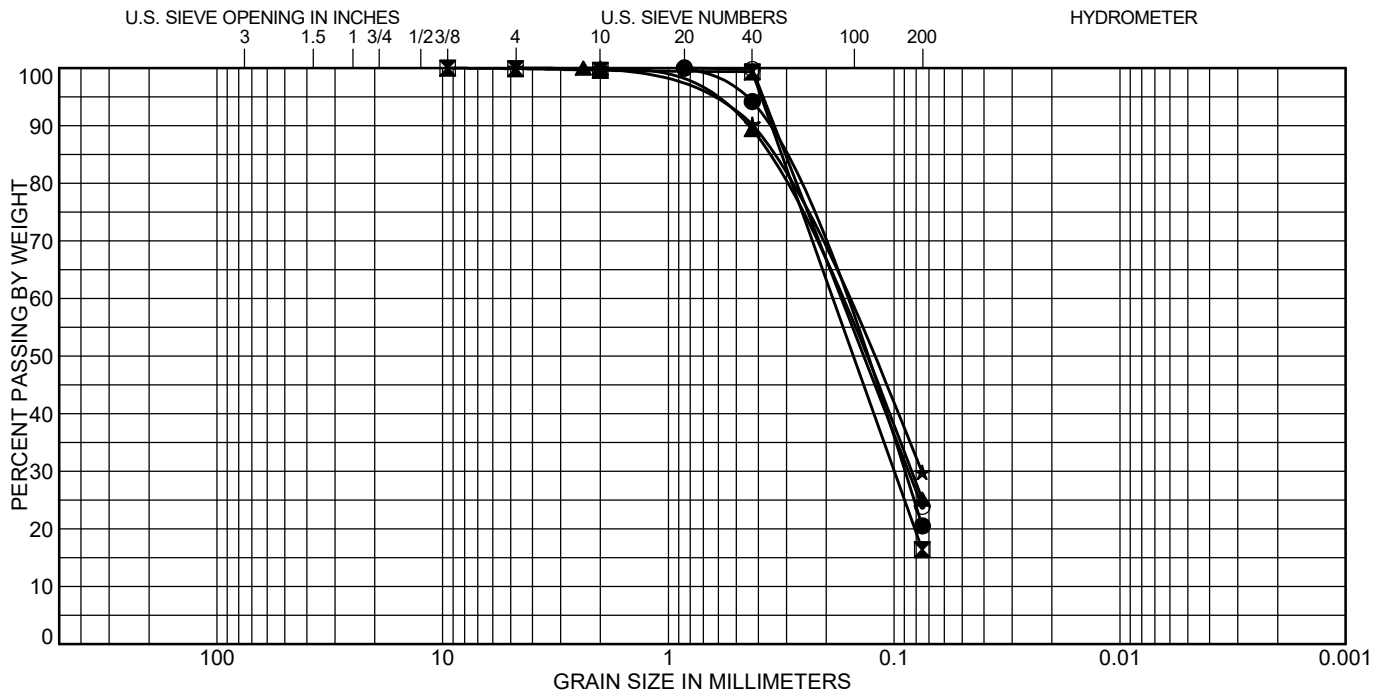
Geotechnical  
Materials Testing  
Civil, Planning

## SOIL CLASSIFICATION DATA

JOB No. 184203

FIGURE No. 109

DATE Sep/16/2021



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Test Boring	Depth (ft)	Classification	LL	PL	PI
● Lot 160	4.0	SILTY SAND(SM)	NP	NP	NP
⊠ Lot 163	9.0	SILTY SAND(SM)	NP	NP	NP
▲ Lot 168	4.0	SILTY SAND(SM)	20	21	NP
★ Lot 171	4.0	SILTY SAND(SM)	18	16	2
⊙ Lot 207	4.0	SILTY SAND(SM)	NP	NP	NP

Test Boring	Depth (ft)	%Gravel	%Sand	%Silt	%Clay
● Lot 160	4.0	0.0	79.5	20.5	
⊠ Lot 163	9.0	0.1	83.5	16.4	
▲ Lot 168	4.0	0.0	74.8	25.2	
★ Lot 171	4.0	0.0	70.2	29.8	
⊙ Lot 207	4.0	0.0	76.1	23.9	

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs, (Corporate Office)

2910 Austin Bluffs Parkway

Colorado Springs, CO 80918

(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

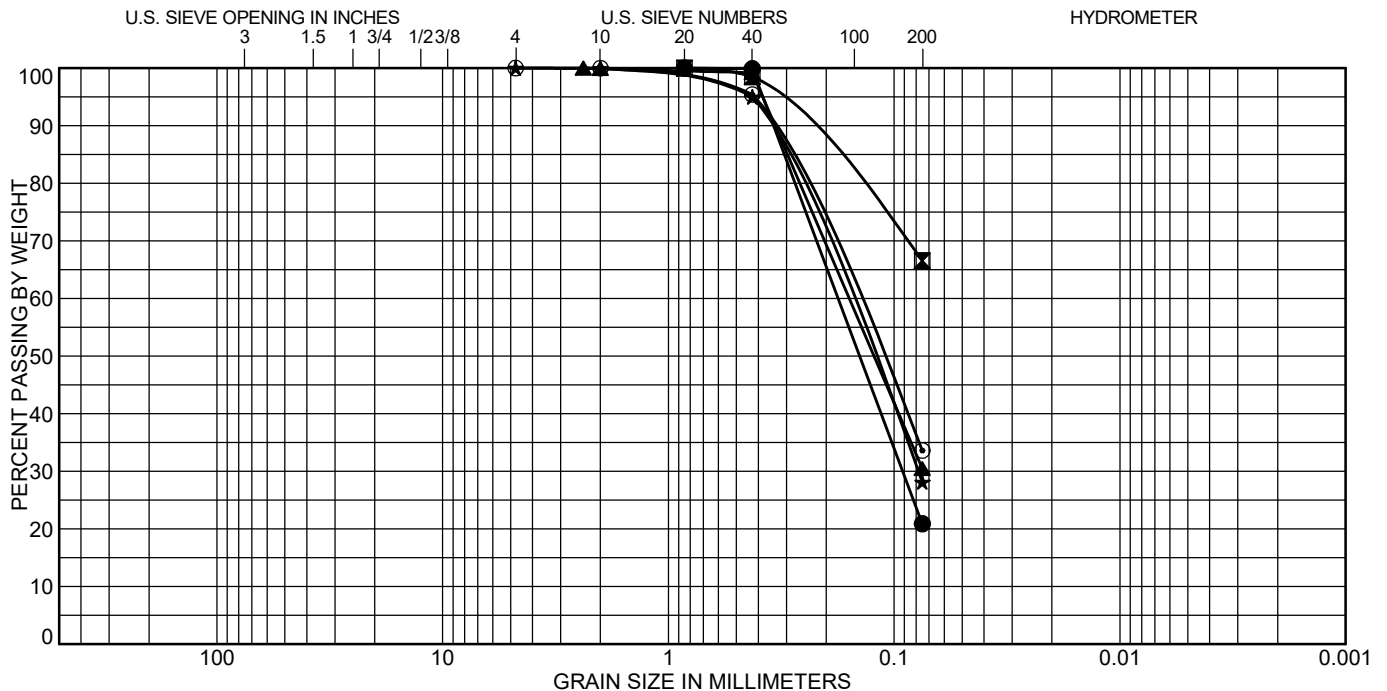
## SOIL CLASSIFICATION DATA

JOB No. 184203

FIGURE No. 110

DATE Sep/16/2021





COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Test Boring	Depth (ft)	Classification	LL	PL	PI
● Lot 212	9.0	SILTY SAND(SM)	NP	NP	NP
⊠ Lot 227	4.0	SANDY LEAN CLAY(CL)	27	19	8
▲ Lot 233	9.0	SILTY SAND(SM)	NP	NP	NP
★ Lot 237	4.0	SILTY SAND(SM)	NP	NP	NP
⊙ Lot 359	4.0	SILTY SAND(SM)	20	17	3

Test Boring	Depth (ft)	%Gravel	%Sand	%Silt	%Clay
● Lot 212	9.0	0.0	79.1	20.9	
⊠ Lot 227	4.0	0.0	33.4	66.6	
▲ Lot 233	9.0	0.0	69.5	30.5	
★ Lot 237	4.0	0.0	71.9	28.1	
⊙ Lot 359	4.0	0.0	66.4	33.6	

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs, (Corporate Office)

2910 Austin Bluffs Parkway

Colorado Springs, CO 80918

(719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

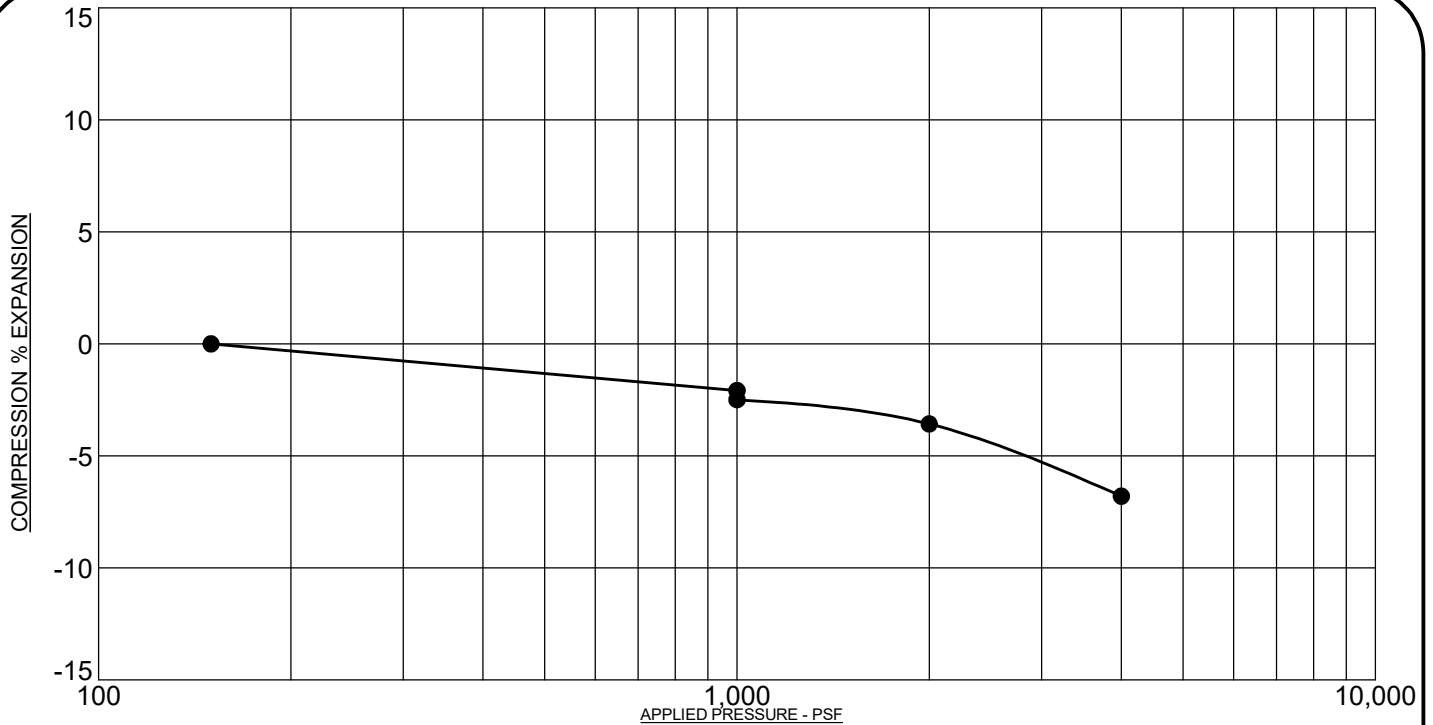
Geotechnical  
Materials Testing  
Civil, Planning

## SOIL CLASSIFICATION DATA

JOB No. 184203

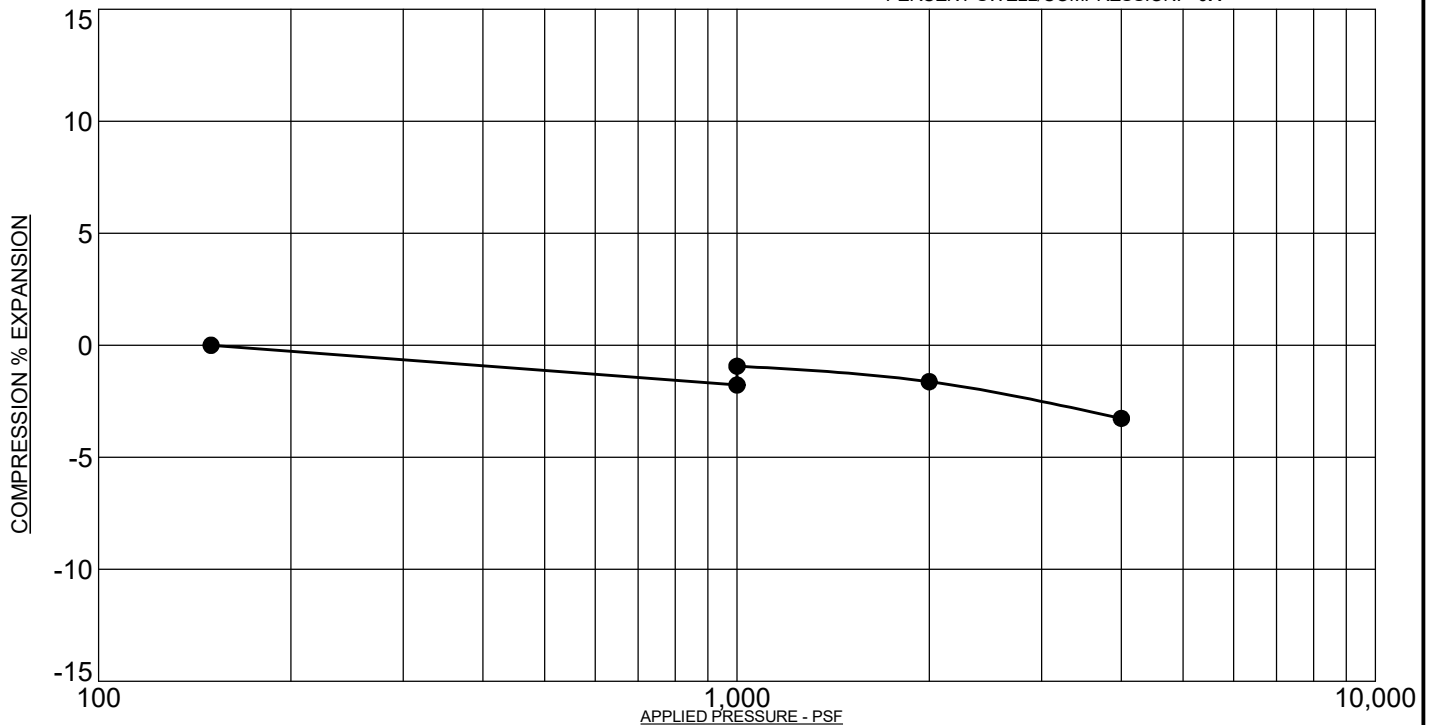
FIGURE No. 111

DATE Sep/16/2021



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: siltstone  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 003 @ 9 FT  
 NATURAL DRY UNIT WEIGHT: 93.5 PCF  
 NATURAL MOISTURE CONTENT: 15.6%  
 PERCENT SWELL/COMPRESSION: - 0.4



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: siltstone with claystone lens  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 009 @ 9 FT  
 NATURAL DRY UNIT WEIGHT: 102.6 PCF  
 NATURAL MOISTURE CONTENT: 17.1%  
 PERCENT SWELL/COMPRESSION: 0.8

ROCKY MOUNTAIN GROUP

Architectural  
 Structural  
 Forensics



Colorado Springs - (Corporate Office)  
 2910 Austin Bluffs Parkway  
 Colorado Springs, CO 80918  
 (719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

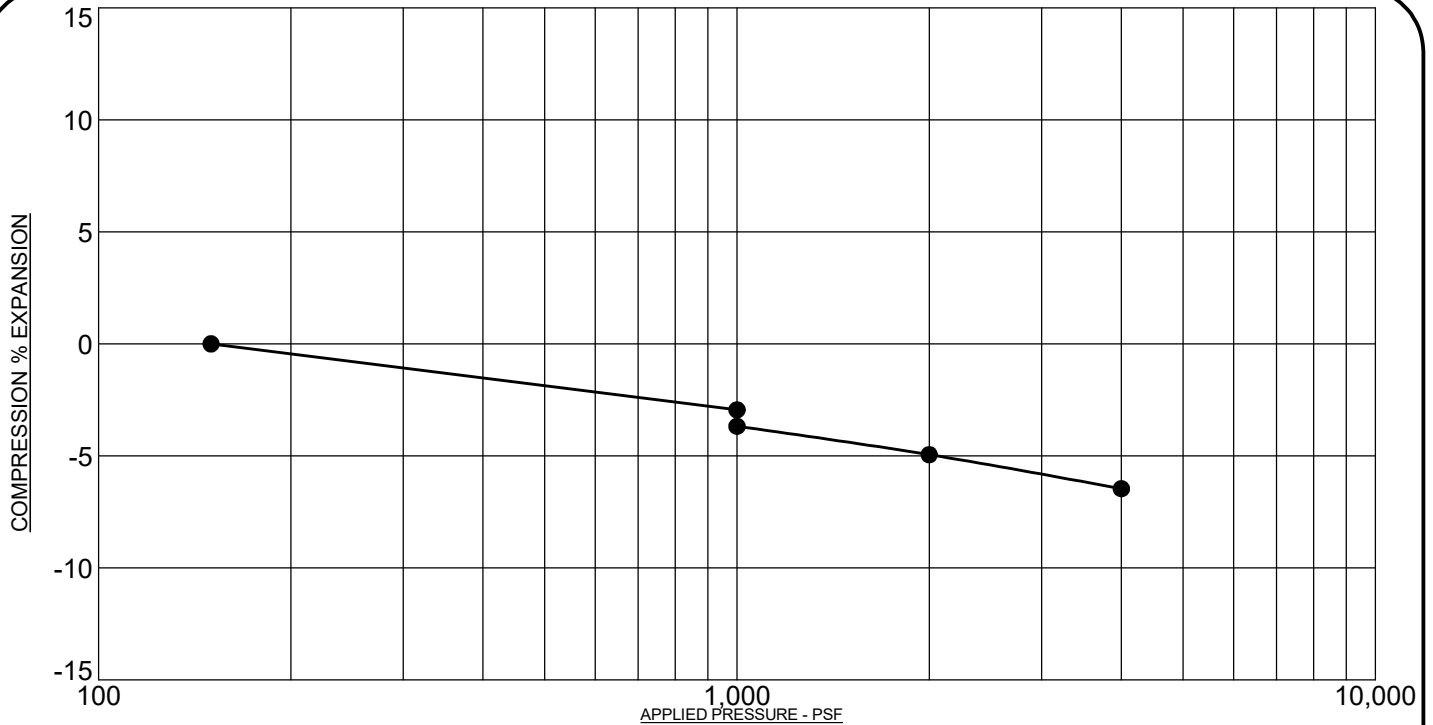
Geotechnical  
 Materials Testing  
 Civil, Planning

## SWELL/CONSOLIDATION TEST RESULTS

JOB No. 184203

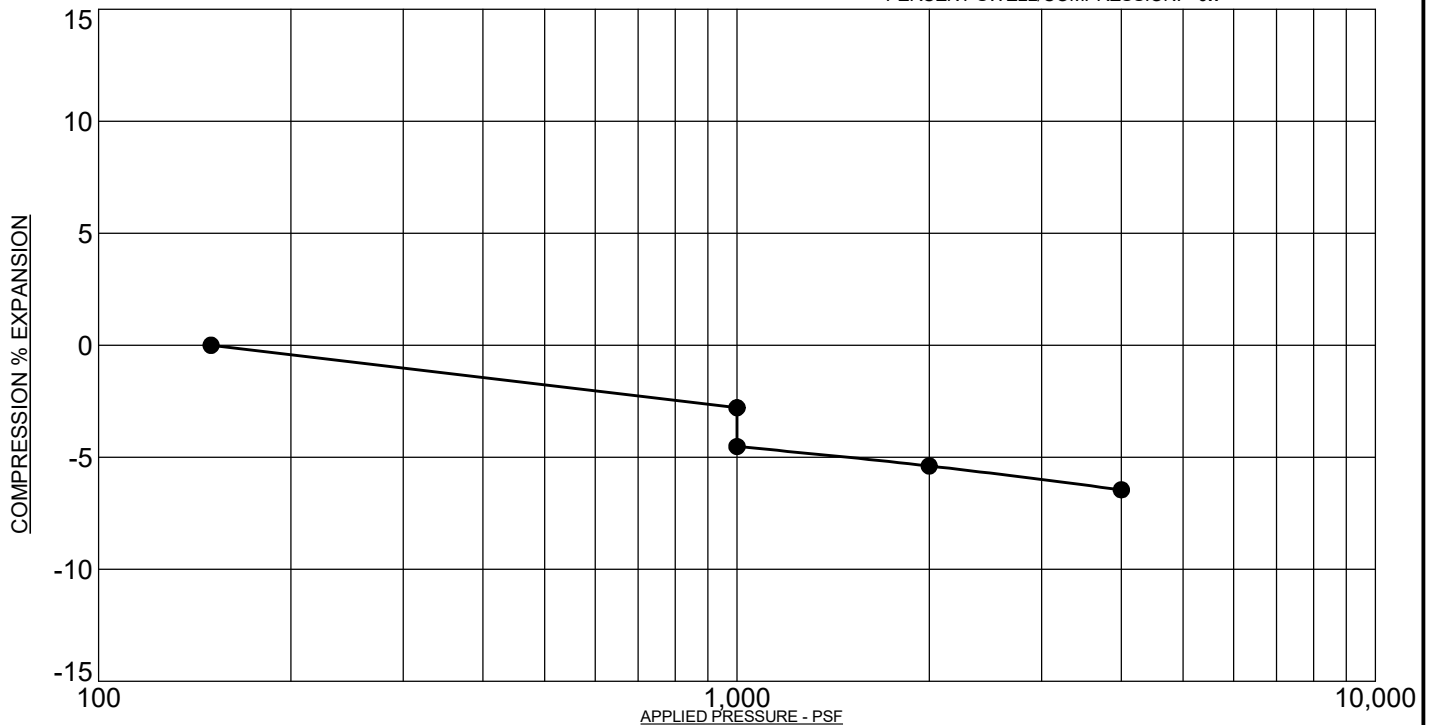
FIGURE No. 112

DATE Sep/16/2021



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: silty sand  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 019 @ 9 FT  
 NATURAL DRY UNIT WEIGHT: 91.6 PCF  
 NATURAL MOISTURE CONTENT: 16.6%  
 PERCENT SWELL/COMPRESSION: - 0.7



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: silty sand  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 023 @ 4 FT  
 NATURAL DRY UNIT WEIGHT: 103.0 PCF  
 NATURAL MOISTURE CONTENT: 6.3%  
 PERCENT SWELL/COMPRESSION: - 1.7

ROCKY MOUNTAIN GROUP

Architectural  
 Structural  
 Forensics



Colorado Springs - (Corporate Office)  
 2910 Austin Bluffs Parkway  
 Colorado Springs, CO 80918  
 (719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

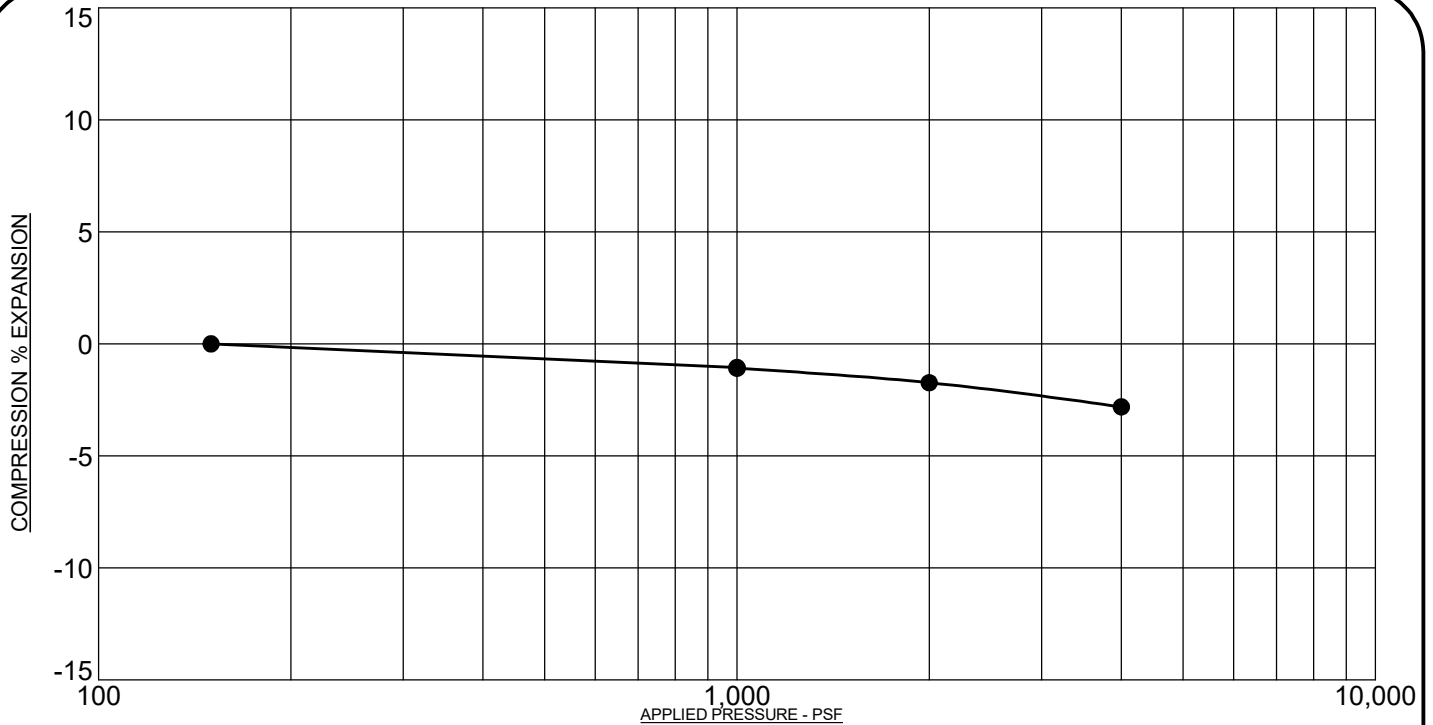
Geotechnical  
 Materials Testing  
 Civil, Planning

## SWELL/CONSOLIDATION TEST RESULTS

JOB No. 184203

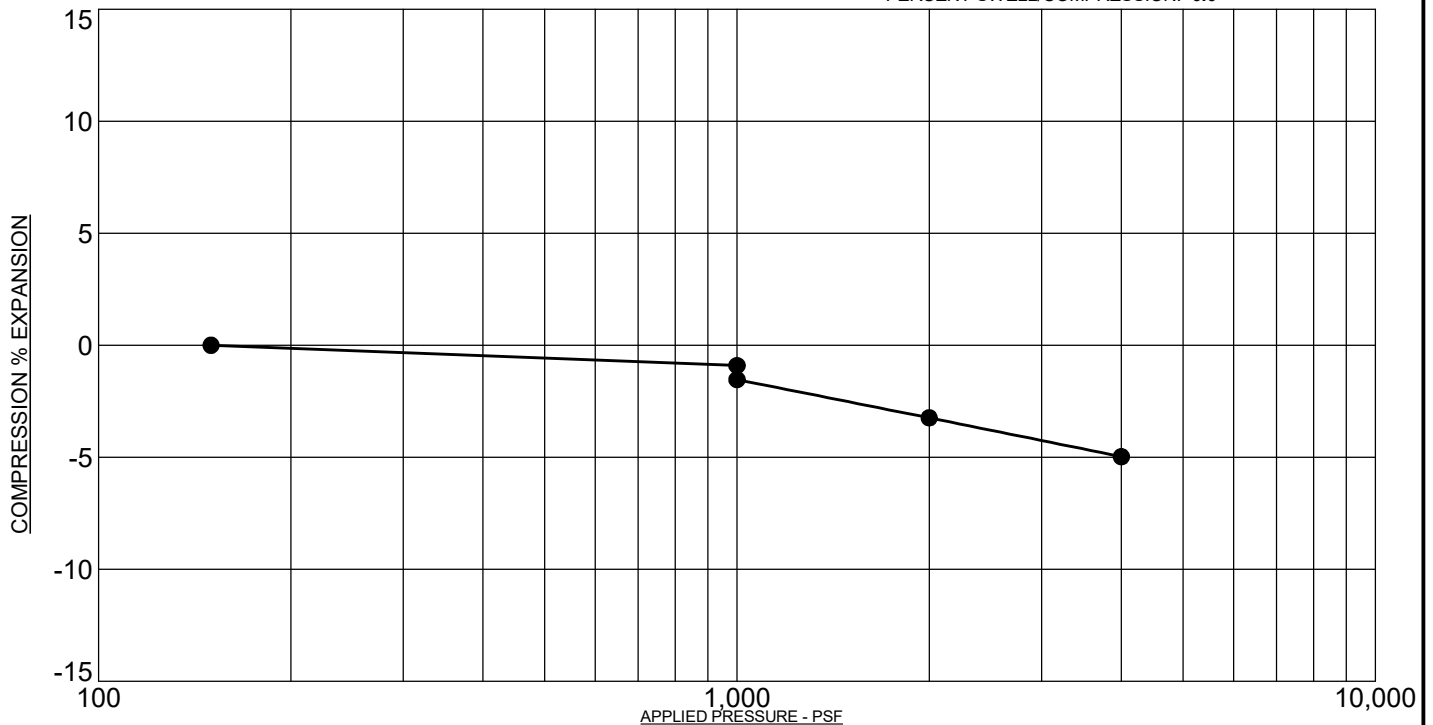
FIGURE No. 113

DATE Sep/16/2021



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: siltstone  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 025 @ 4 FT  
 NATURAL DRY UNIT WEIGHT: 109.7 PCF  
 NATURAL MOISTURE CONTENT: 12.2%  
 PERCENT SWELL/COMPRESSION: 0.0



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: siltstone  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 031 @ 9 FT  
 NATURAL DRY UNIT WEIGHT: 87.1 PCF  
 NATURAL MOISTURE CONTENT: 11.5%  
 PERCENT SWELL/COMPRESSION: -0.6

ROCKY MOUNTAIN GROUP

Architectural  
 Structural  
 Forensics



Colorado Springs - (Corporate Office)  
 2910 Austin Bluffs Parkway  
 Colorado Springs, CO 80918  
 (719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

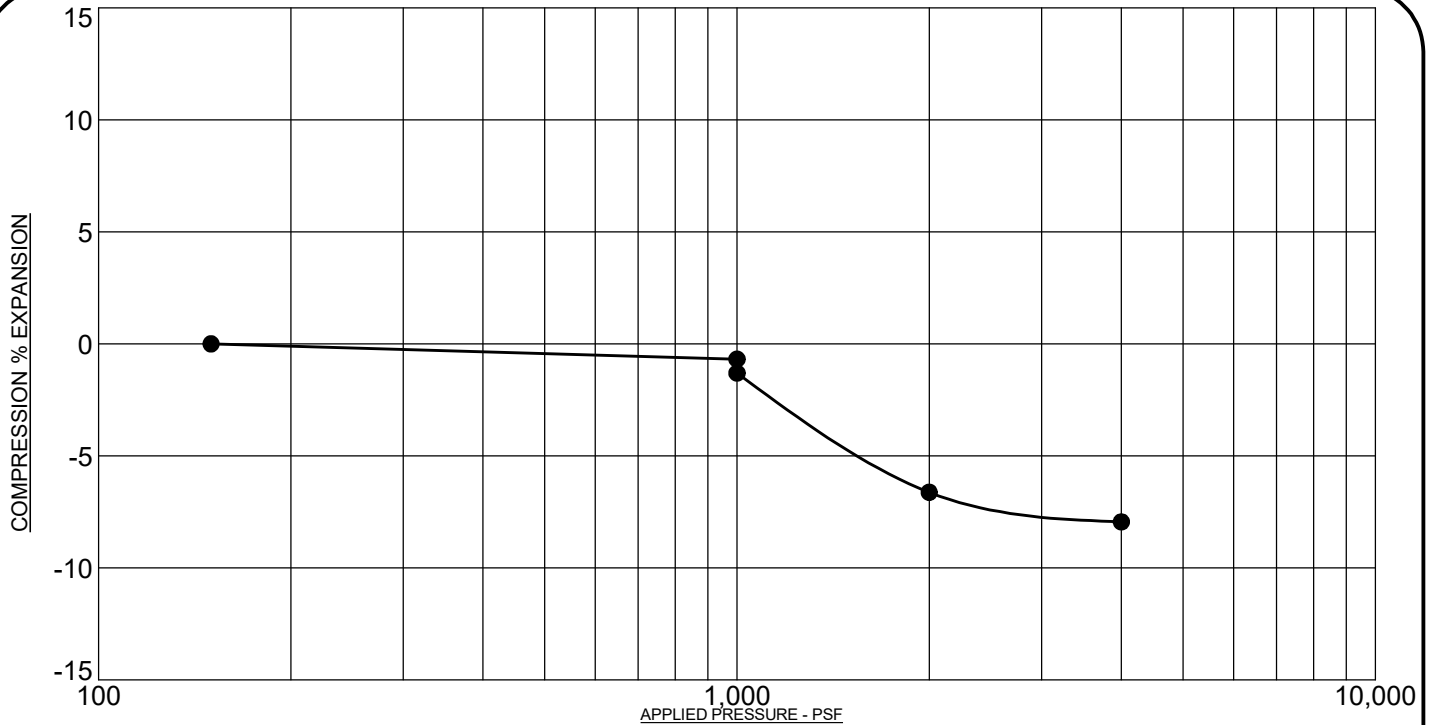
Geotechnical  
 Materials Testing  
 Civil, Planning

## SWELL/CONSOLIDATION TEST RESULTS

JOB No. 184203

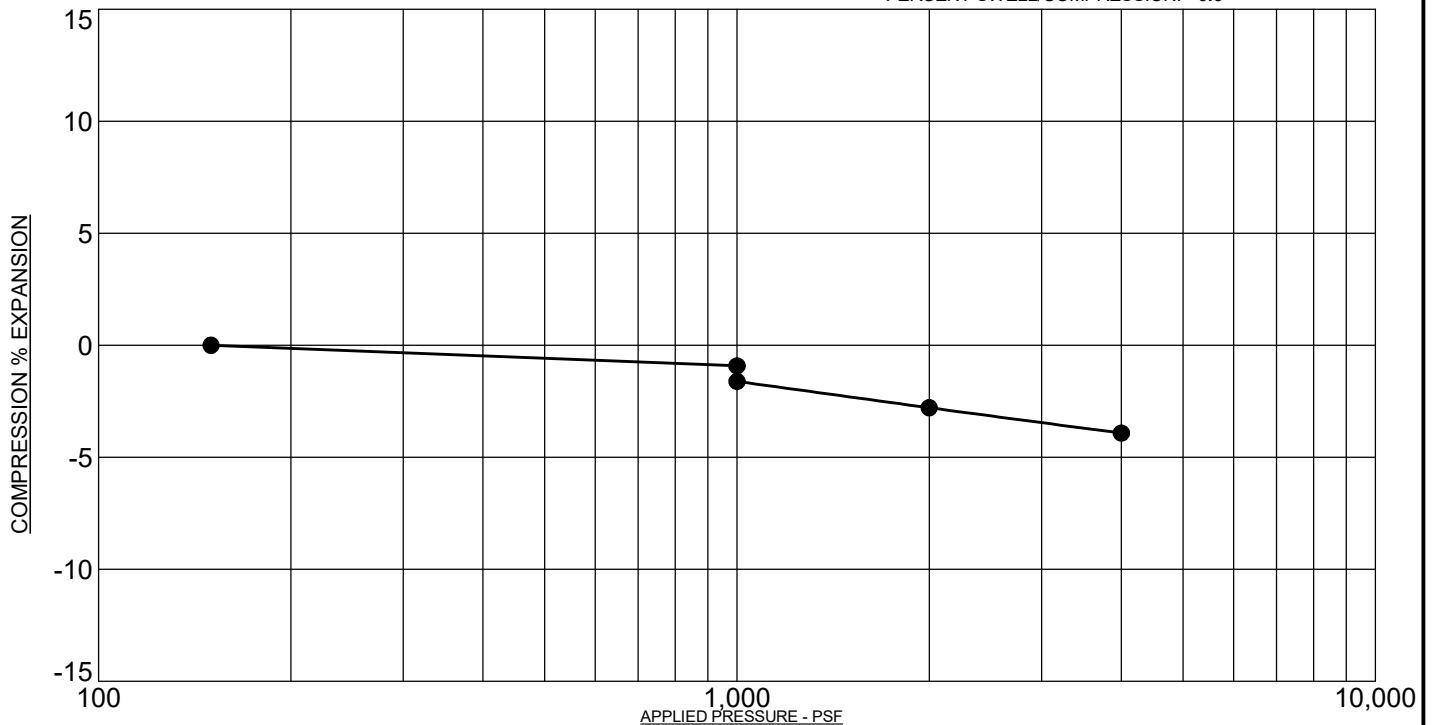
FIGURE No. 114

DATE Sep/16/2021



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: silty sand  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 035 @ 4 FT  
 NATURAL DRY UNIT WEIGHT: 103.9 PCF  
 NATURAL MOISTURE CONTENT: 8.7%  
 PERCENT SWELL/COMPRESSION: - 0.6



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: siltstone  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 041 @ 9 FT  
 NATURAL DRY UNIT WEIGHT: 94.3 PCF  
 NATURAL MOISTURE CONTENT: 8.9%  
 PERCENT SWELL/COMPRESSION: - 0.7

ROCKY MOUNTAIN GROUP

Architectural  
 Structural  
 Forensics



Colorado Springs - (Corporate Office)  
 2910 Austin Bluffs Parkway  
 Colorado Springs, CO 80918  
 (719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

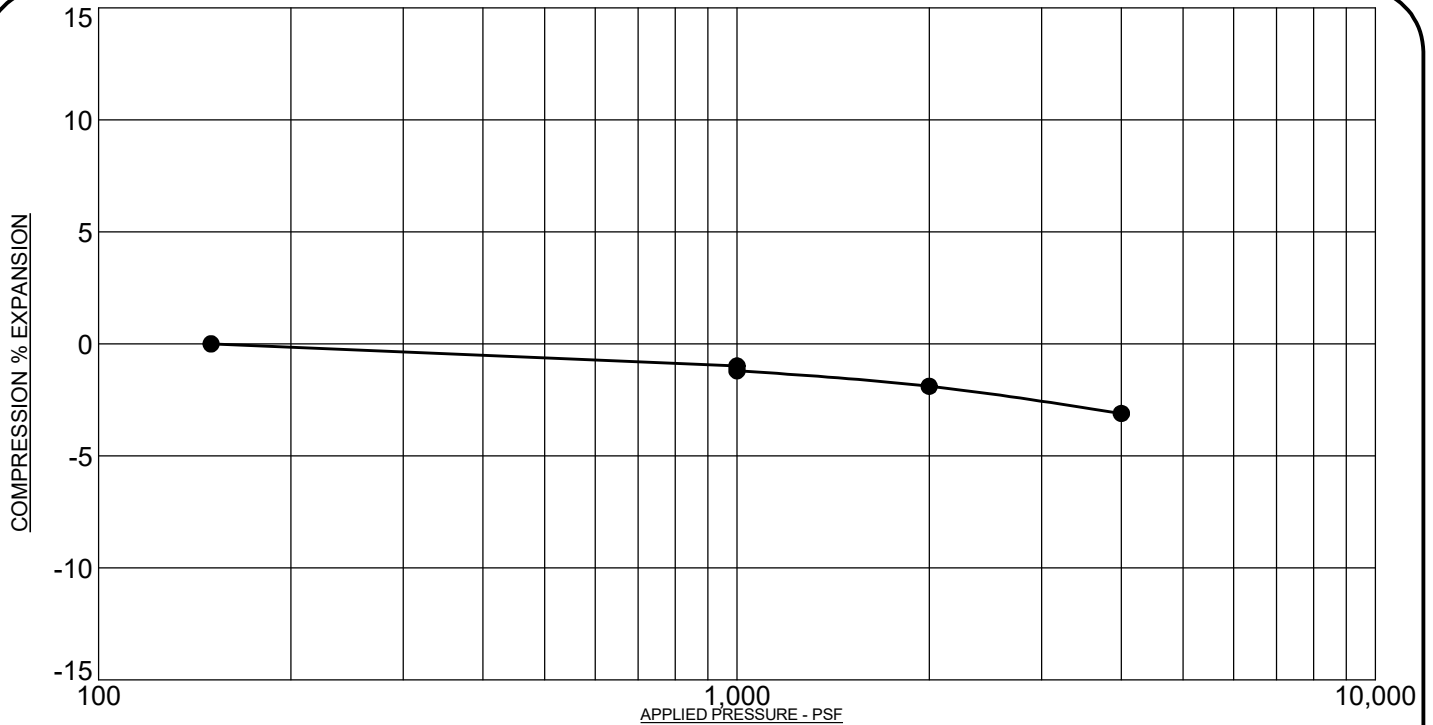
Geotechnical  
 Materials Testing  
 Civil, Planning

## SWELL/CONSOLIDATION TEST RESULTS

JOB No. 184203

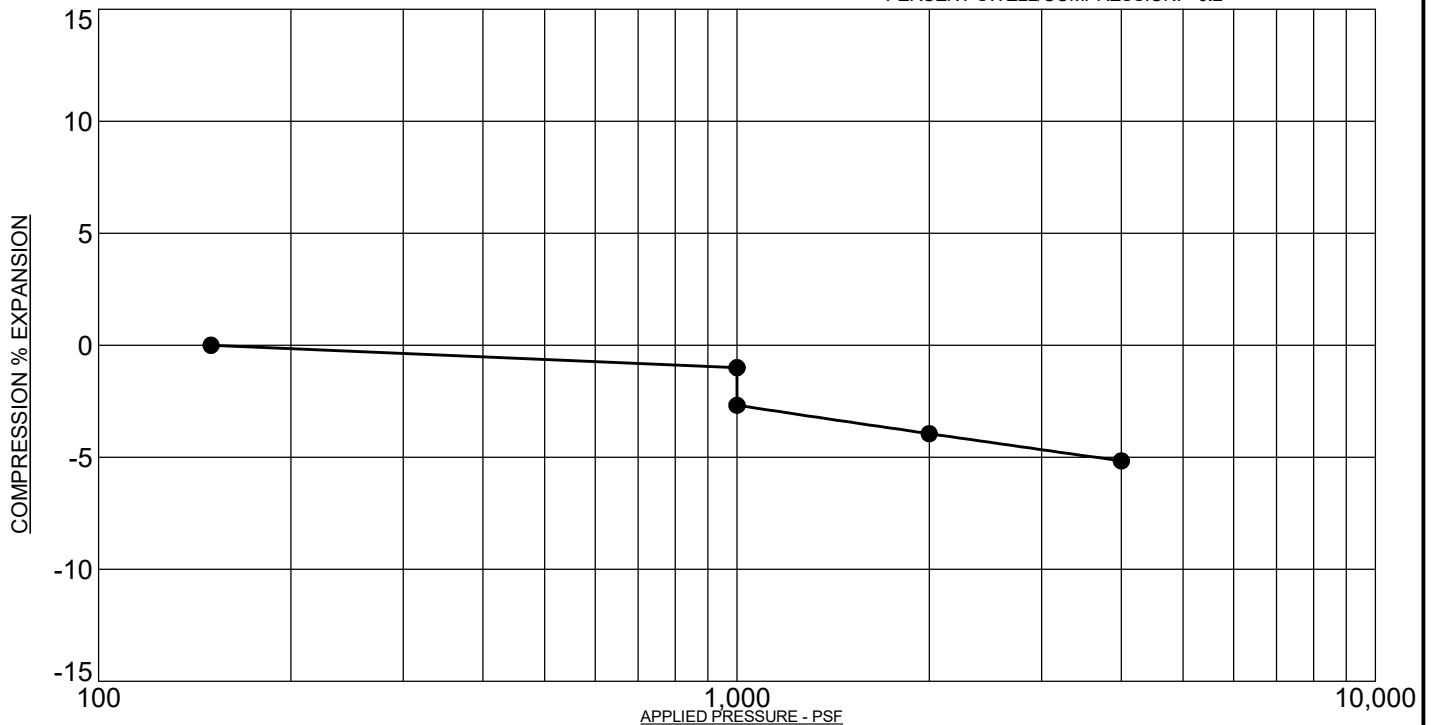
FIGURE No. 115

DATE Sep/16/2021



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: siltstone  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 042 @ 9 FT  
 NATURAL DRY UNIT WEIGHT: 103.6 PCF  
 NATURAL MOISTURE CONTENT: 9.3%  
 PERCENT SWELL/COMPRESSION: - 0.2



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: silty sand  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 044 @ 4 FT  
 NATURAL DRY UNIT WEIGHT: 105.6 PCF  
 NATURAL MOISTURE CONTENT: 9.3%  
 PERCENT SWELL/COMPRESSION: - 1.7

ROCKY MOUNTAIN GROUP

Architectural  
 Structural  
 Forensics



Colorado Springs - (Corporate Office)  
 2910 Austin Bluffs Parkway  
 Colorado Springs, CO 80918  
 (719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

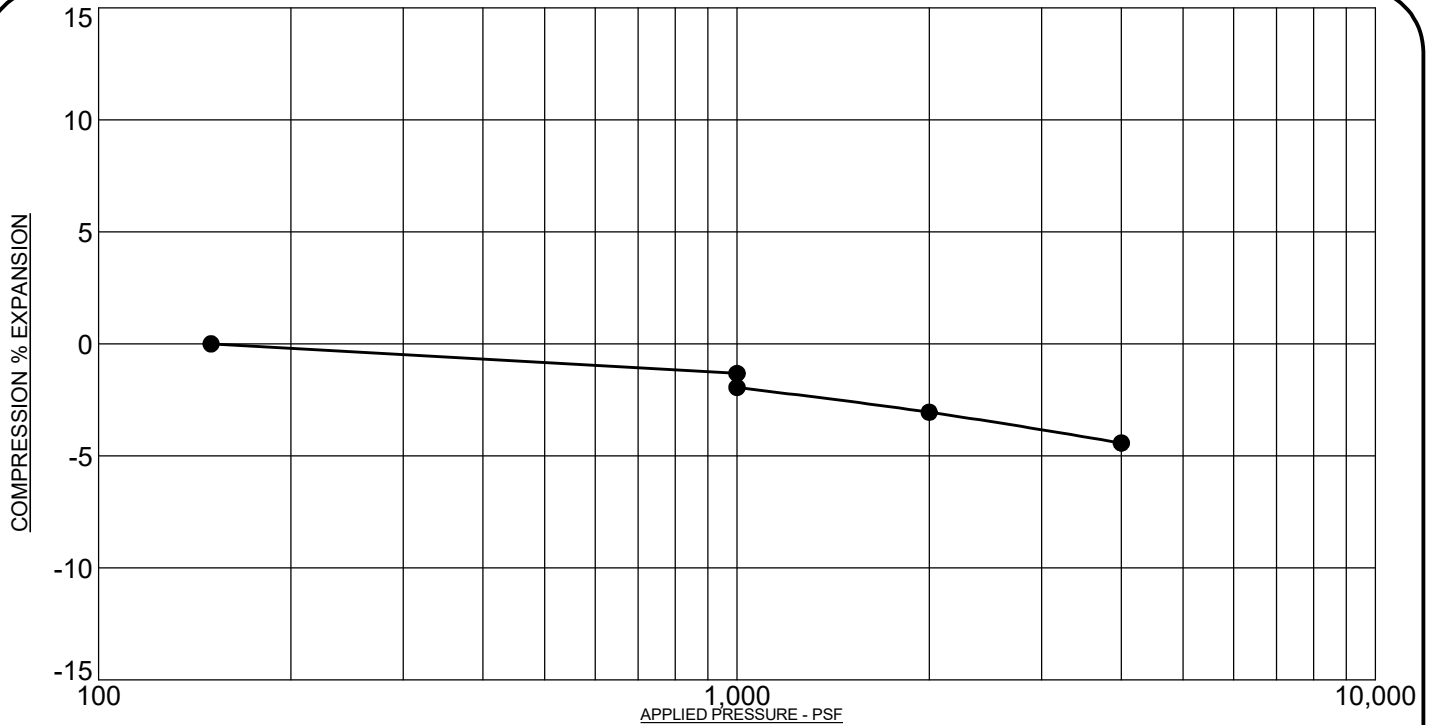
Geotechnical  
 Materials Testing  
 Civil, Planning

## SWELL/CONSOLIDATION TEST RESULTS

JOB No. 184203

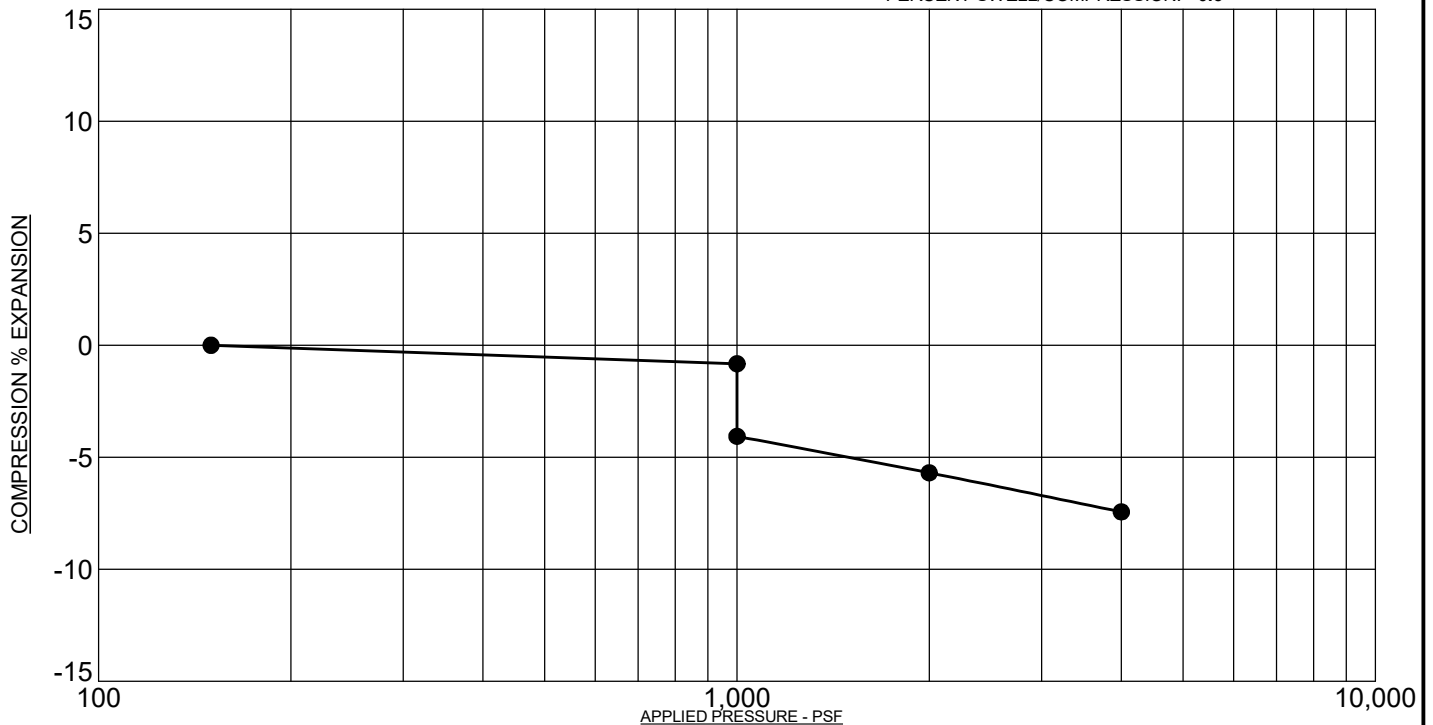
FIGURE No. 116

DATE Sep/16/2021



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: siltstone  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 049 @ 9 FT  
 NATURAL DRY UNIT WEIGHT: 90.9 PCF  
 NATURAL MOISTURE CONTENT: 11.2%  
 PERCENT SWELL/COMPRESSION: - 0.6



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: silty clayey sand  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 055 @ 4 FT  
 NATURAL DRY UNIT WEIGHT: 92.6 PCF  
 NATURAL MOISTURE CONTENT: 8.4%  
 PERCENT SWELL/COMPRESSION: - 3.2

ROCKY MOUNTAIN GROUP

Architectural  
 Structural  
 Forensics



Colorado Springs - (Corporate Office)  
 2910 Austin Bluffs Parkway  
 Colorado Springs, CO 80918  
 (719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

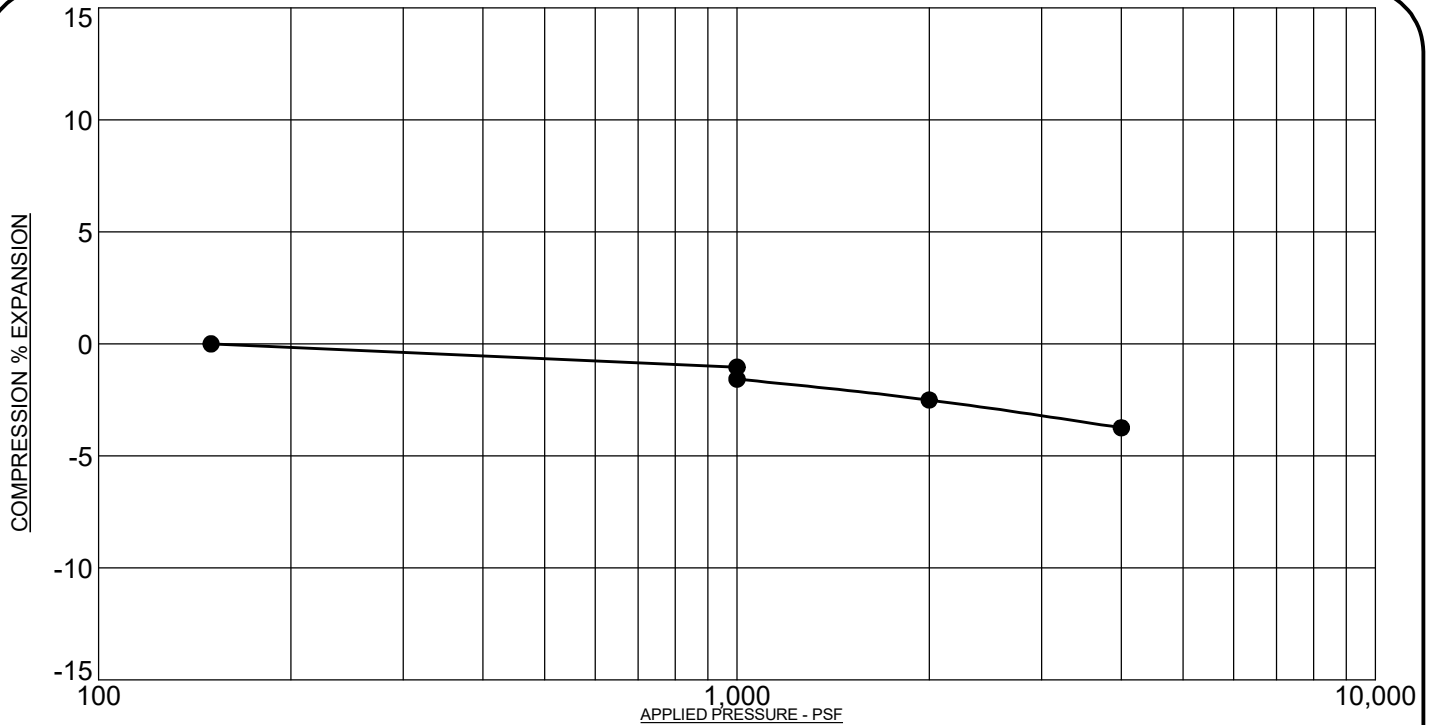
Geotechnical  
 Materials Testing  
 Civil, Planning

## SWELL/CONSOLIDATION TEST RESULTS

JOB No. 184203

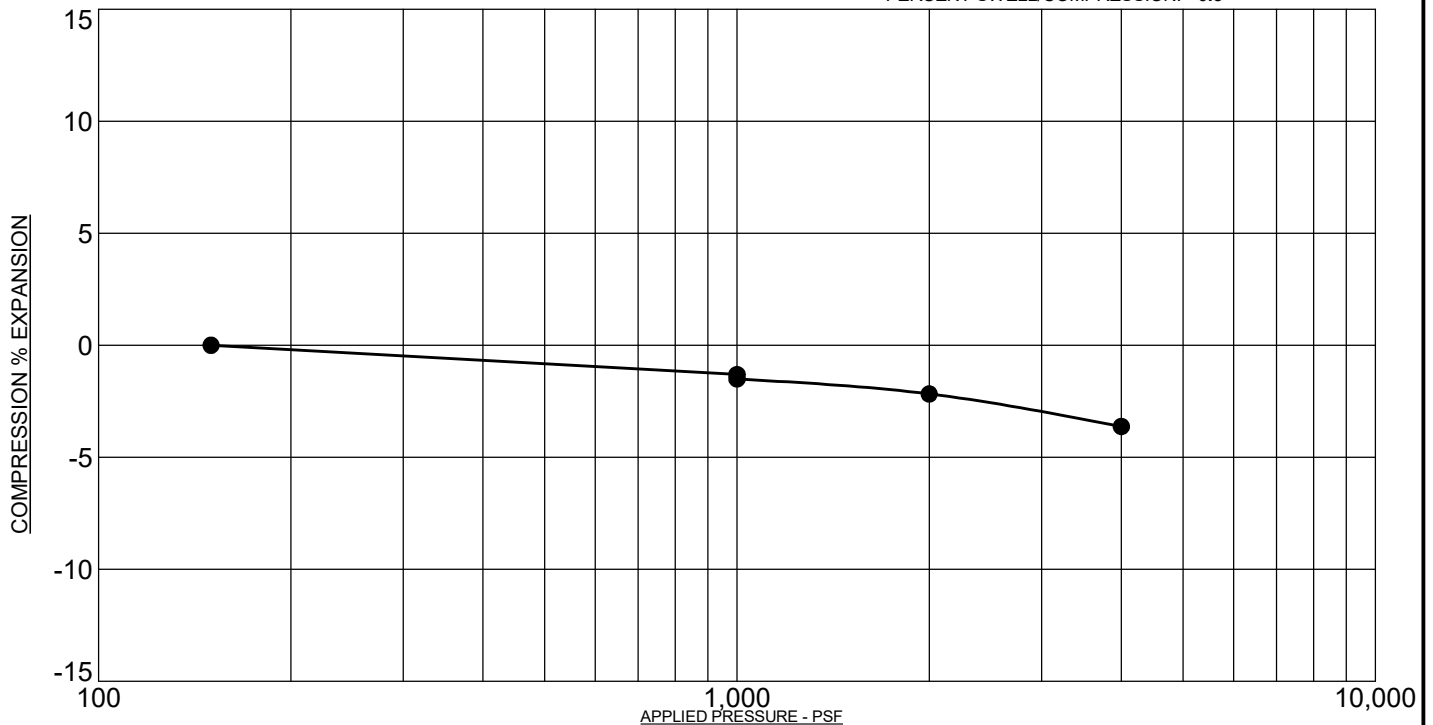
FIGURE No. 117

DATE Sep/16/2021



PROJECT: **Promontory Phase 1 Greeley, Colorado**  
 SAMPLE DESCRIPTION: **silty clayey sand**  
 NOTE: **SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF**

SAMPLE LOCATION: **Lot 062 @ 4 FT**  
 NATURAL DRY UNIT WEIGHT: **99.4 PCF**  
 NATURAL MOISTURE CONTENT: **10.3%**  
 PERCENT SWELL/COMPRESSION: **- 0.5**



PROJECT: **Promontory Phase 1 Greeley, Colorado**  
 SAMPLE DESCRIPTION: **silty sand**  
 NOTE: **SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF**

SAMPLE LOCATION: **Lot 069 @ 4 FT**  
 NATURAL DRY UNIT WEIGHT: **116.1 PCF**  
 NATURAL MOISTURE CONTENT: **13.0%**  
 PERCENT SWELL/COMPRESSION: **- 0.2**

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
 2910 Austin Bluffs Parkway  
 Colorado Springs, CO 80918  
 (719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

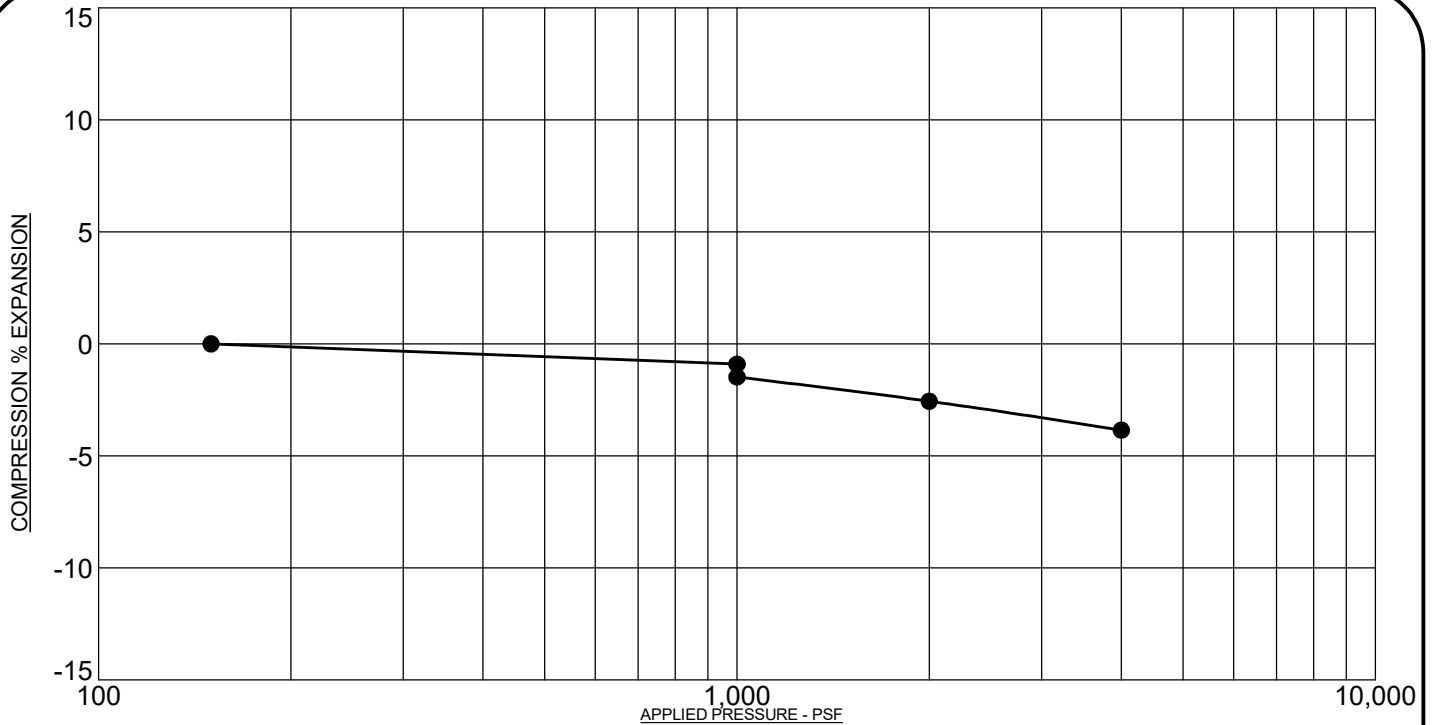
## SWELL/CONSOLIDATION TEST RESULTS

JOB No. 184203

FIGURE No. 118

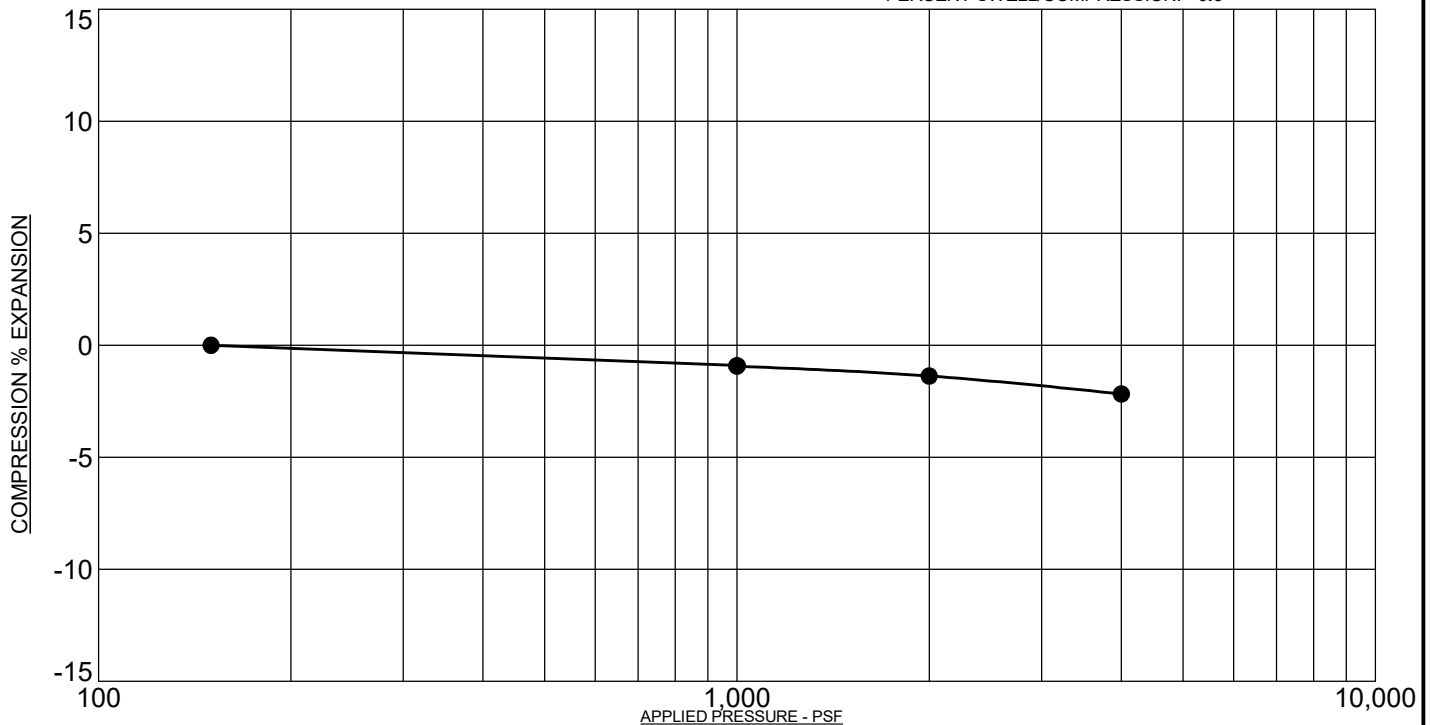
DATE Sep/16/2021





PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: silty sand  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 080 @ 9 FT  
 NATURAL DRY UNIT WEIGHT: 90.4 PCF  
 NATURAL MOISTURE CONTENT: 10.5%  
 PERCENT SWELL/COMPRESSION: - 0.6



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: silty sand  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 082 @ 4 FT  
 NATURAL DRY UNIT WEIGHT: 110.6 PCF  
 NATURAL MOISTURE CONTENT: 14.7%  
 PERCENT SWELL/COMPRESSION: 0.0

ROCKY MOUNTAIN GROUP

Architectural  
 Structural  
 Forensics



Colorado Springs - (Corporate Office)  
 2910 Austin Bluffs Parkway  
 Colorado Springs, CO 80918  
 (719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

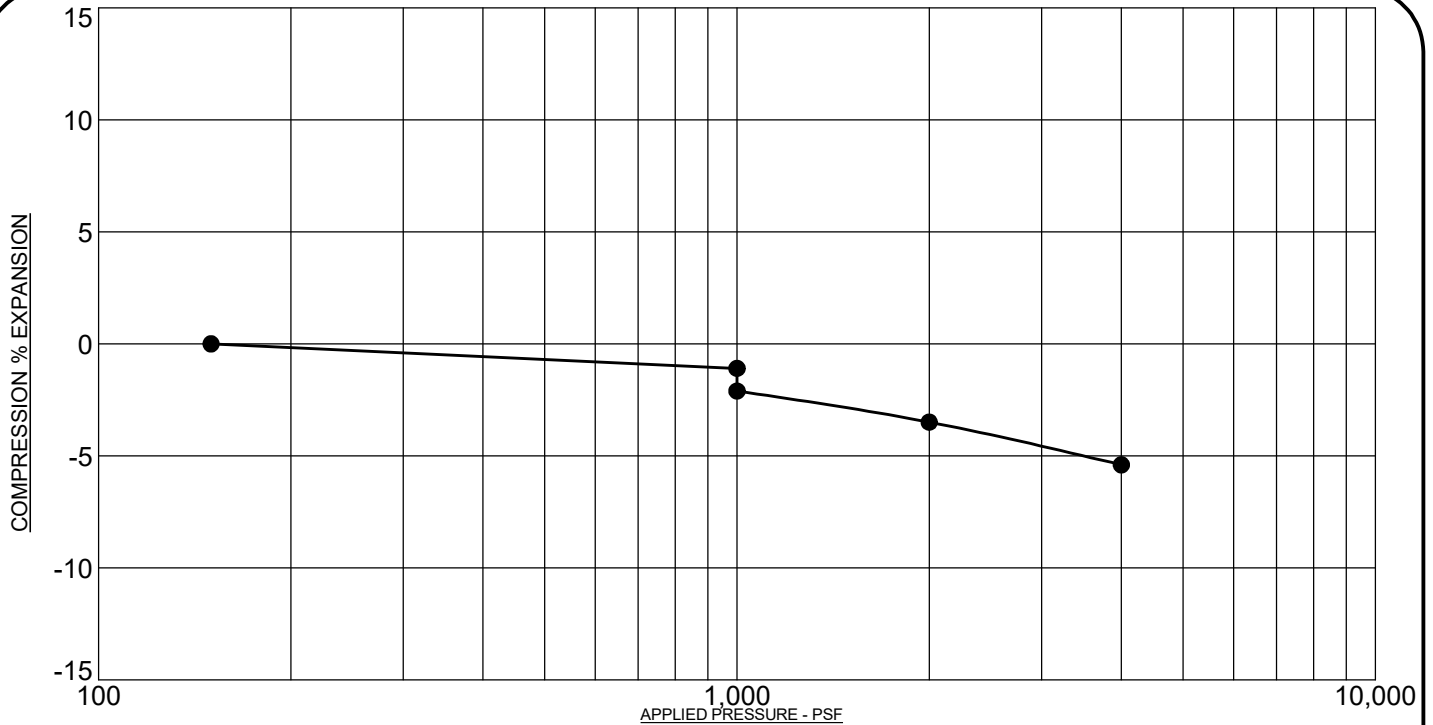
Geotechnical  
 Materials Testing  
 Civil, Planning

## SWELL/CONSOLIDATION TEST RESULTS

JOB No. 184203

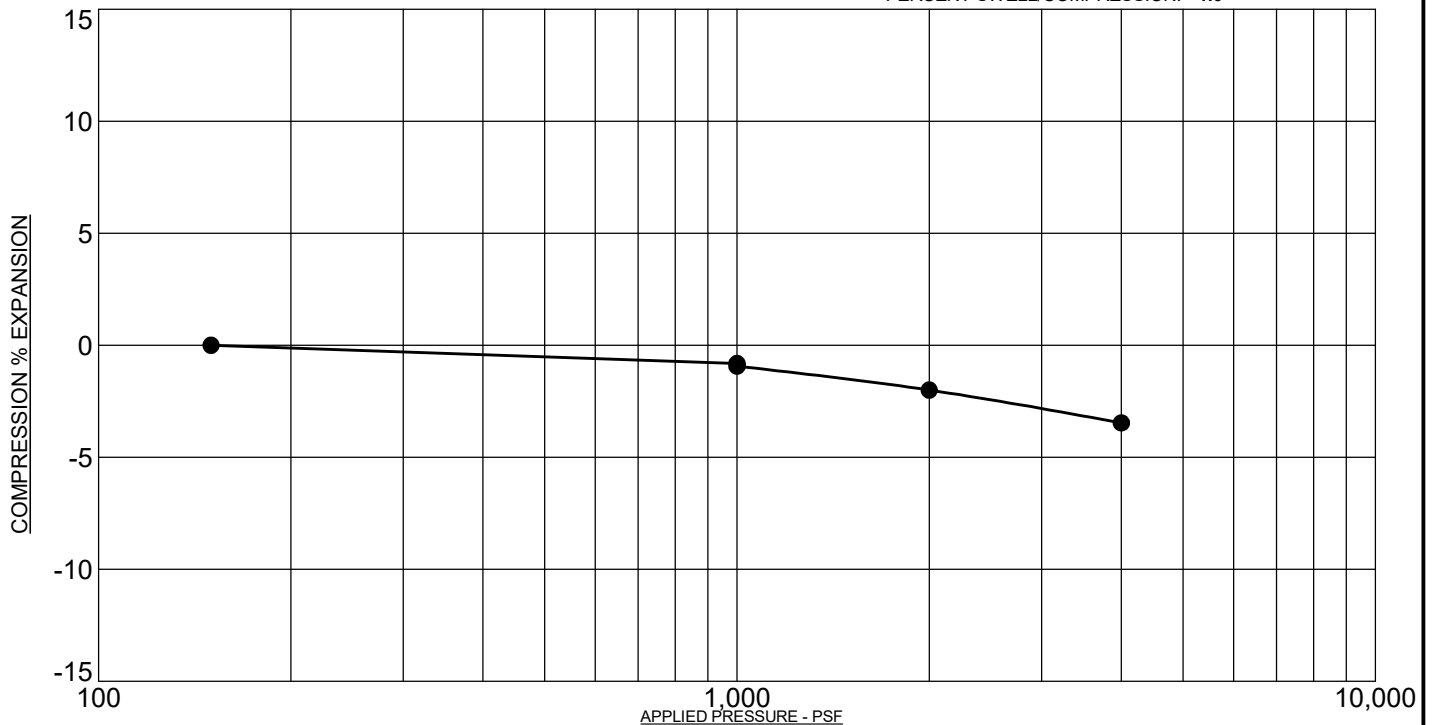
FIGURE No. 119

DATE Sep/16/2021



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: silty sand  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 085 @ 9 FT  
 NATURAL DRY UNIT WEIGHT: 100.3 PCF  
 NATURAL MOISTURE CONTENT: 14.3%  
 PERCENT SWELL/COMPRESSION: - 1.0



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: silty sand  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 090 @ 9 FT  
 NATURAL DRY UNIT WEIGHT: 90.5 PCF  
 NATURAL MOISTURE CONTENT: 8.7%  
 PERCENT SWELL/COMPRESSION: - 0.1

ROCKY MOUNTAIN GROUP

Architectural  
 Structural  
 Forensics



Colorado Springs - (Corporate Office)  
 2910 Austin Bluffs Parkway  
 Colorado Springs, CO 80918  
 (719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

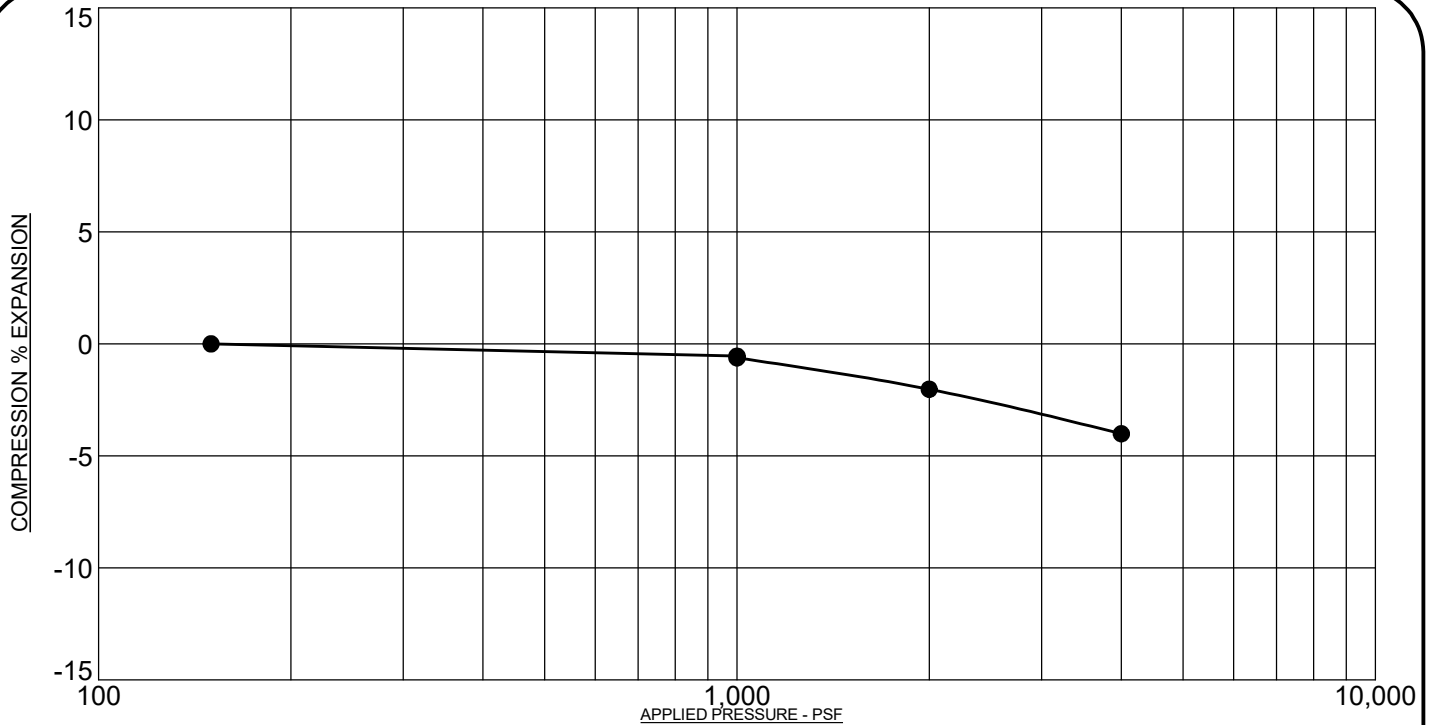
Geotechnical  
 Materials Testing  
 Civil, Planning

## SWELL/CONSOLIDATION TEST RESULTS

JOB No. 184203

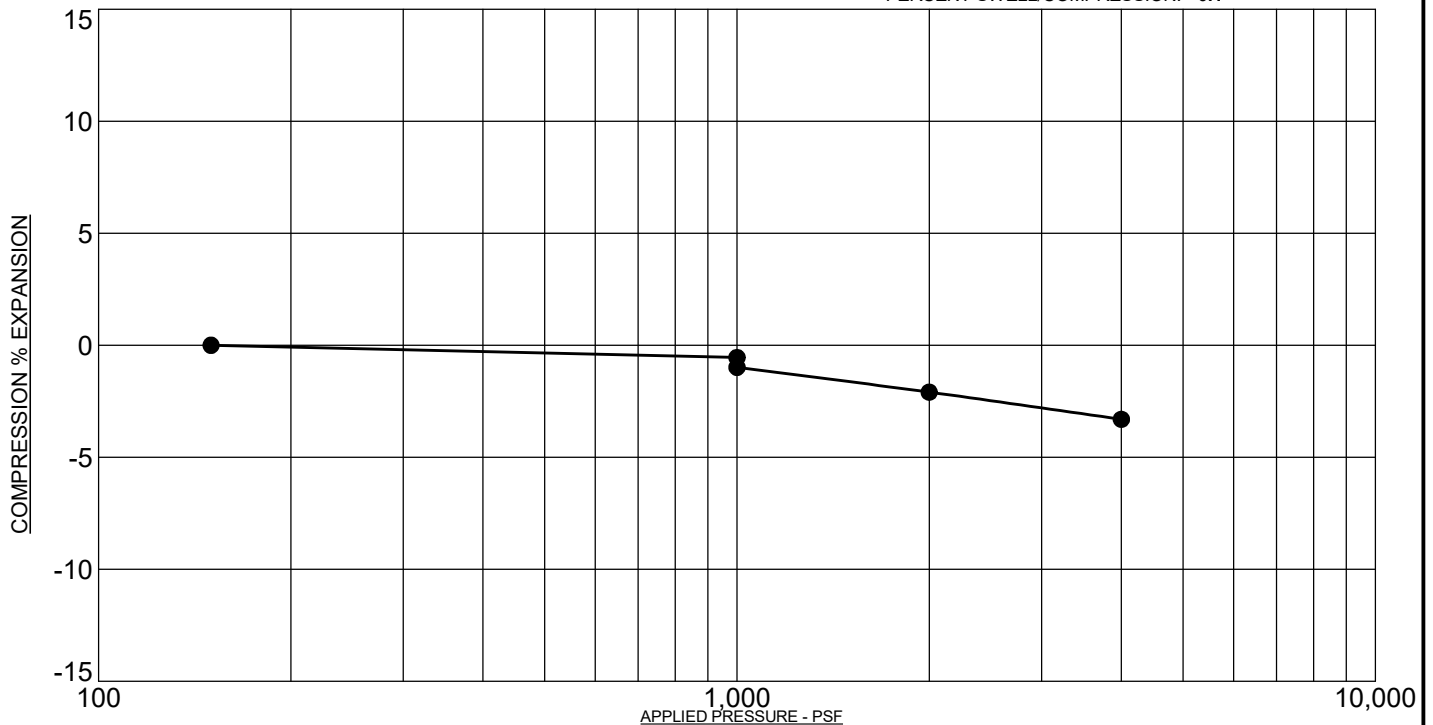
FIGURE No. 120

DATE Sep/16/2021



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: silty sand  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 093 @ 9 FT  
 NATURAL DRY UNIT WEIGHT: 91.4 PCF  
 NATURAL MOISTURE CONTENT: 13.6%  
 PERCENT SWELL/COMPRESSION: - 0.1



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: silty sand  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 099 @ 4 FT  
 NATURAL DRY UNIT WEIGHT: 103.2 PCF  
 NATURAL MOISTURE CONTENT: 8.1%  
 PERCENT SWELL/COMPRESSION: - 0.4

ROCKY MOUNTAIN GROUP

Architectural  
 Structural  
 Forensics



Colorado Springs - (Corporate Office)  
 2910 Austin Bluffs Parkway  
 Colorado Springs, CO 80918  
 (719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

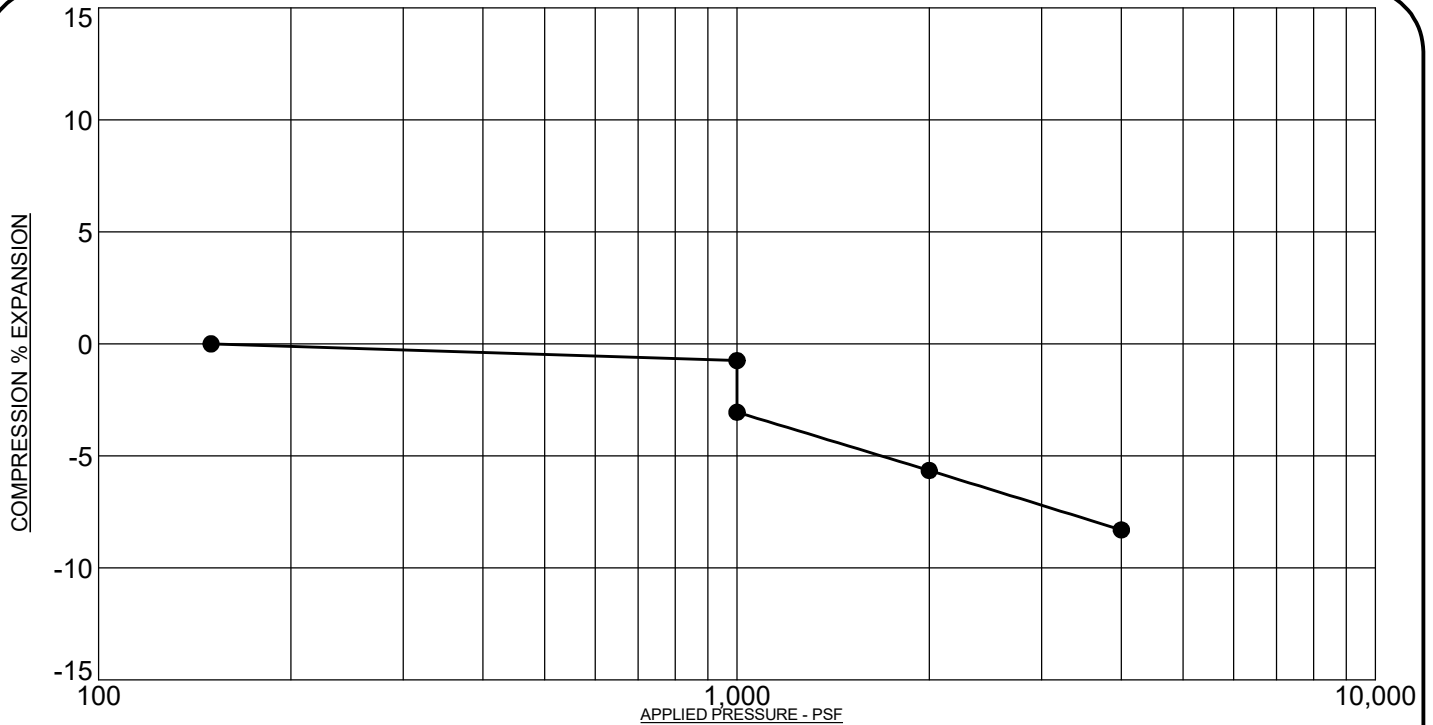
Geotechnical  
 Materials Testing  
 Civil, Planning

## SWELL/CONSOLIDATION TEST RESULTS

JOB No. 184203

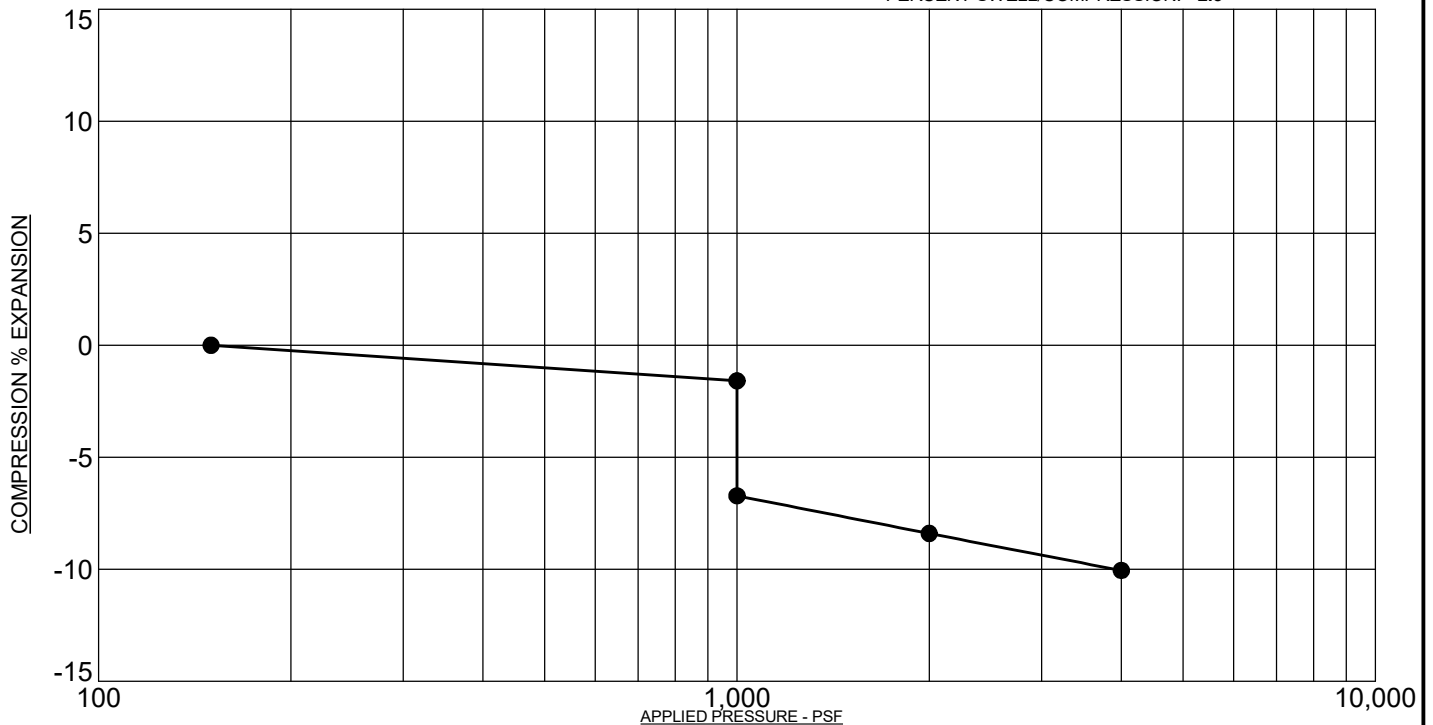
FIGURE No. 121

DATE Sep/16/2021



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: silty sand  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 102 @ 9 FT  
 NATURAL DRY UNIT WEIGHT: 95.1 PCF  
 NATURAL MOISTURE CONTENT: 11.2%  
 PERCENT SWELL/COMPRESSION: - 2.3



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: silty clayey sand  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 108 @ 9 FT  
 NATURAL DRY UNIT WEIGHT: 90.4 PCF  
 NATURAL MOISTURE CONTENT: 7.4%  
 PERCENT SWELL/COMPRESSION: - 5.1

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
 2910 Austin Bluffs Parkway  
 Colorado Springs, CO 80918  
 (719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

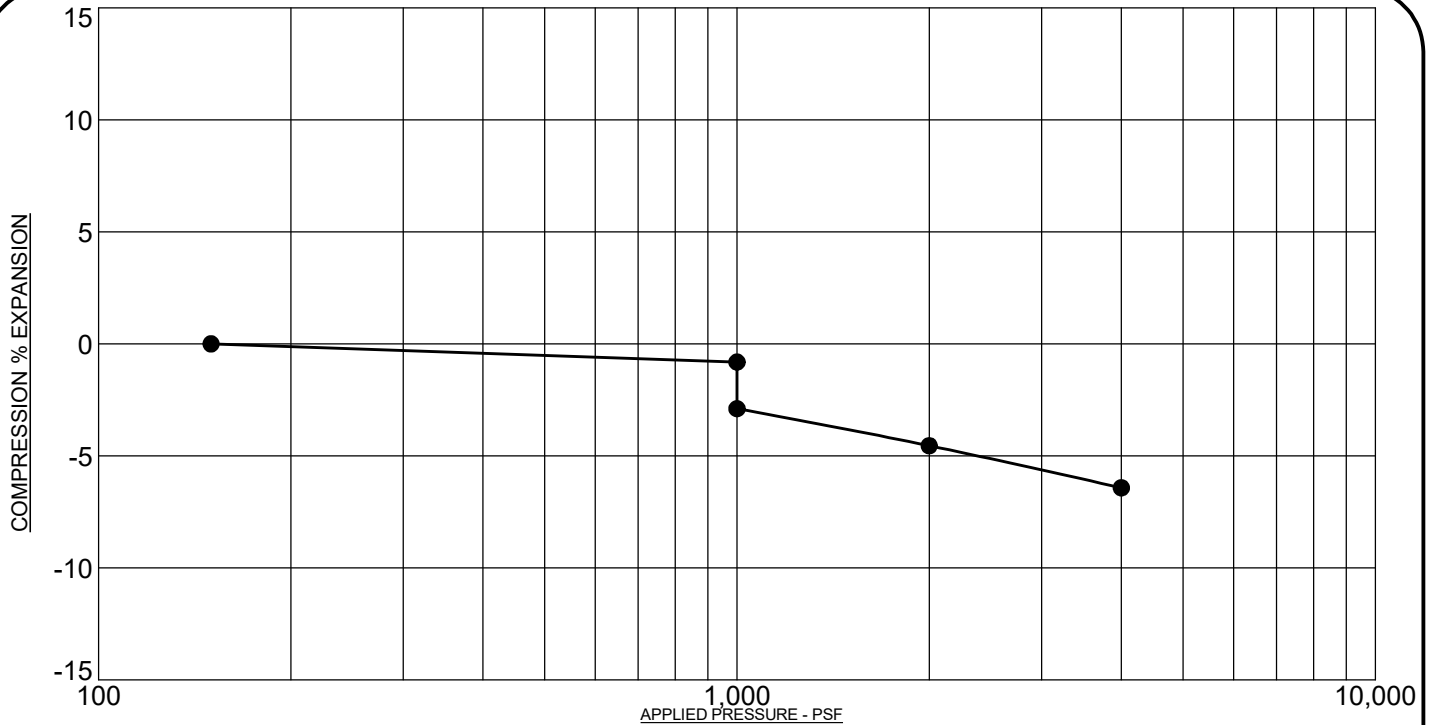
Geotechnical  
Materials Testing  
Civil, Planning

## SWELL/CONSOLIDATION TEST RESULTS

JOB No. 184203

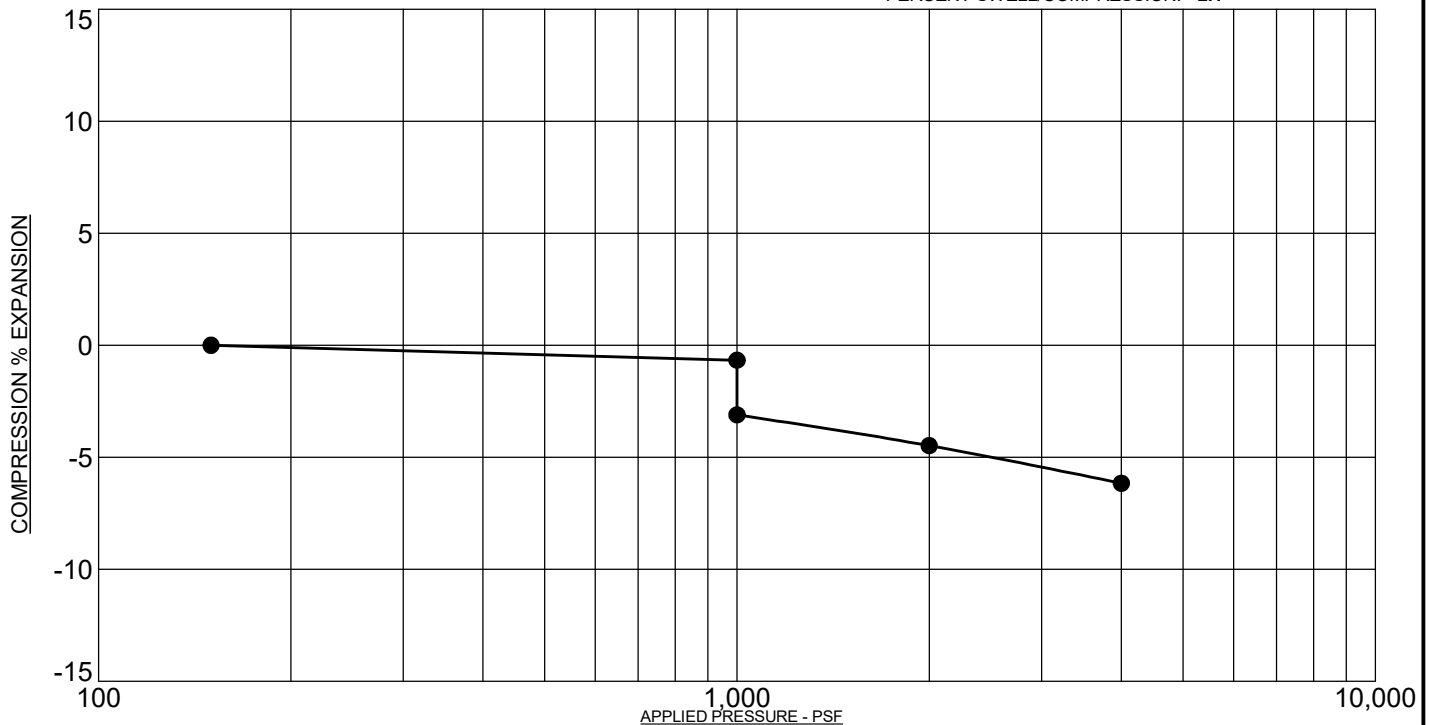
FIGURE No. 122

DATE Sep/16/2021



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: silty sand  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 110 @ 9 FT  
 NATURAL DRY UNIT WEIGHT: 89.9 PCF  
 NATURAL MOISTURE CONTENT: 7.5%  
 PERCENT SWELL/COMPRESSION: - 2.1



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: silty sand  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 112 @ 4 FT  
 NATURAL DRY UNIT WEIGHT: 100.0 PCF  
 NATURAL MOISTURE CONTENT: 6.4%  
 PERCENT SWELL/COMPRESSION: - 2.4

ROCKY MOUNTAIN GROUP

Architectural  
 Structural  
 Forensics



Colorado Springs - (Corporate Office)  
 2910 Austin Bluffs Parkway  
 Colorado Springs, CO 80918  
 (719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

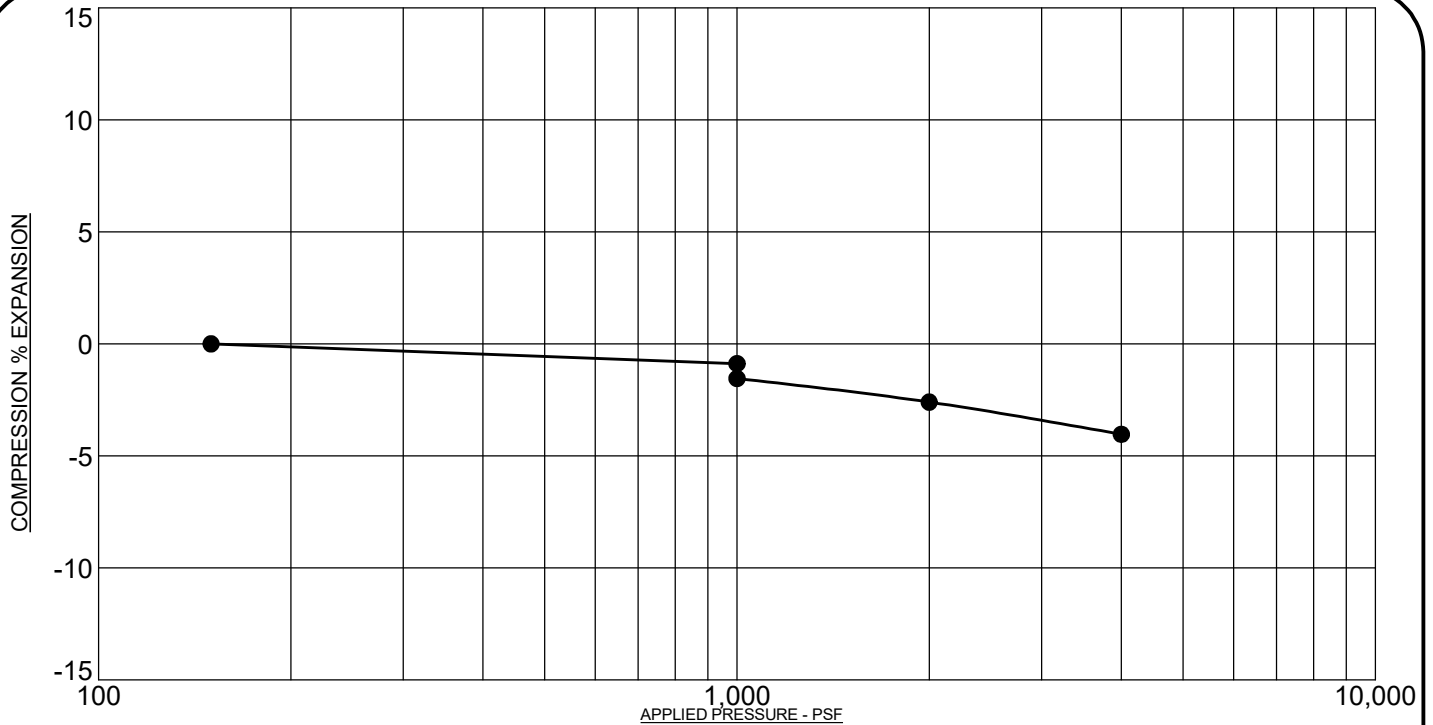
Geotechnical  
 Materials Testing  
 Civil, Planning

## SWELL/CONSOLIDATION TEST RESULTS

JOB No. 184203

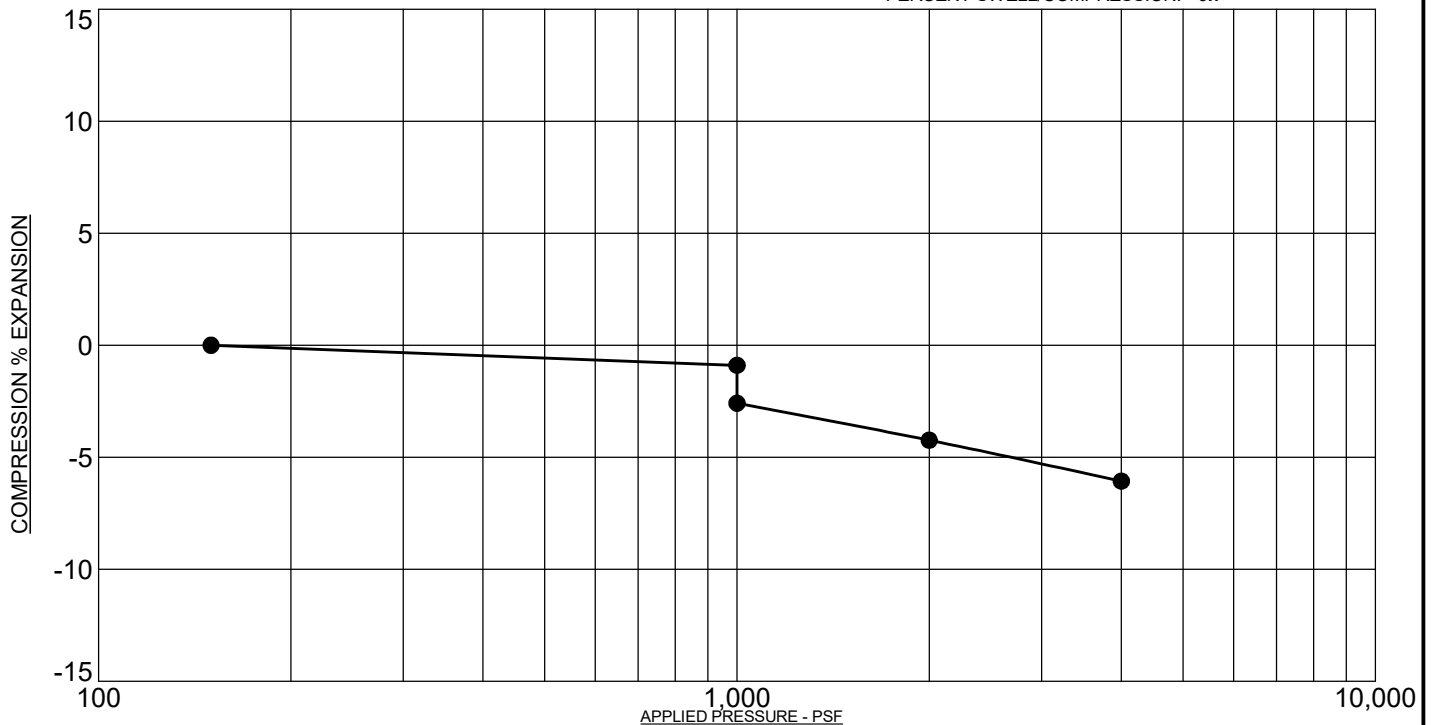
FIGURE No. 123

DATE Sep/16/2021



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: silty sand  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 114 @ 4 FT  
 NATURAL DRY UNIT WEIGHT: 112.9 PCF  
 NATURAL MOISTURE CONTENT: 10.5%  
 PERCENT SWELL/COMPRESSION: - 0.7



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: silty sand  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 117 @ 4 FT  
 NATURAL DRY UNIT WEIGHT: 106.7 PCF  
 NATURAL MOISTURE CONTENT: 10.7%  
 PERCENT SWELL/COMPRESSION: - 1.7

ROCKY MOUNTAIN GROUP

Architectural  
 Structural  
 Forensics



Colorado Springs - (Corporate Office)  
 2910 Austin Bluffs Parkway  
 Colorado Springs, CO 80918  
 (719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

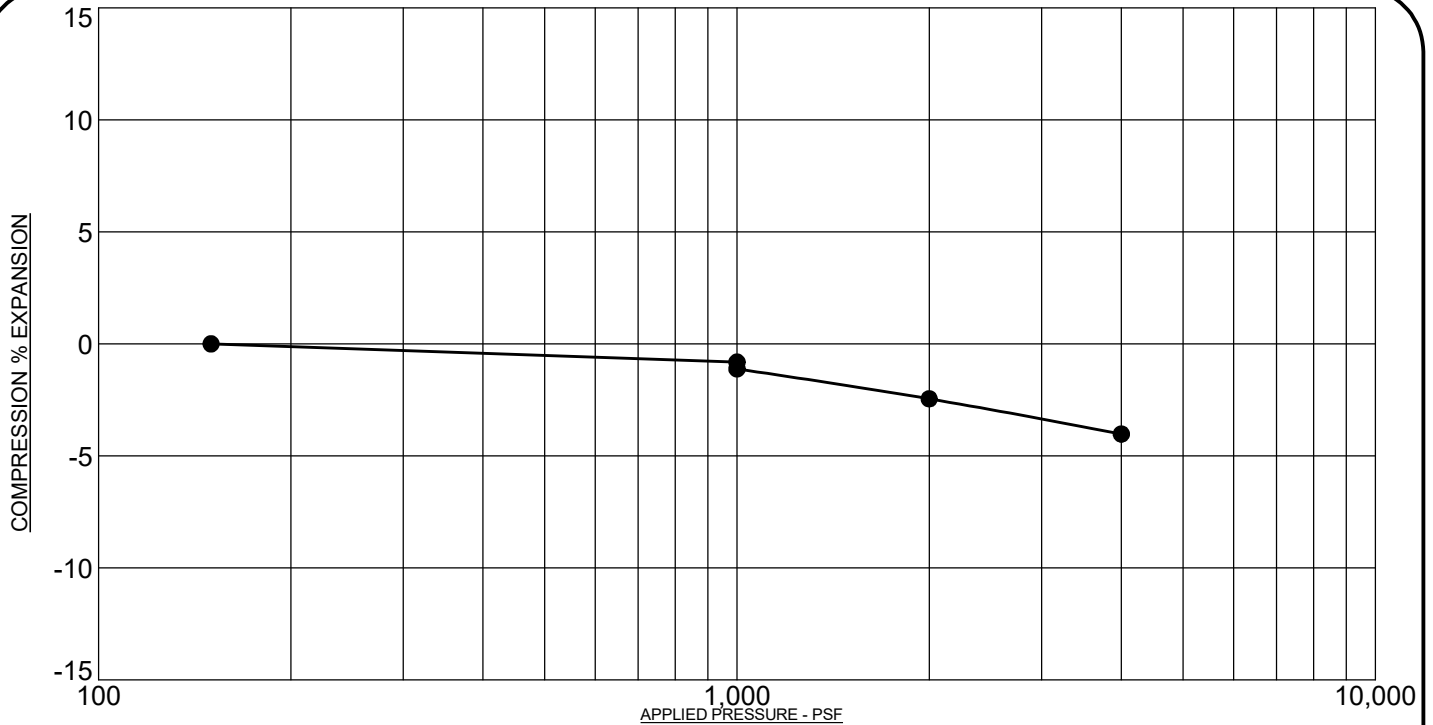
Geotechnical  
 Materials Testing  
 Civil, Planning

## SWELL/CONSOLIDATION TEST RESULTS

JOB No. 184203

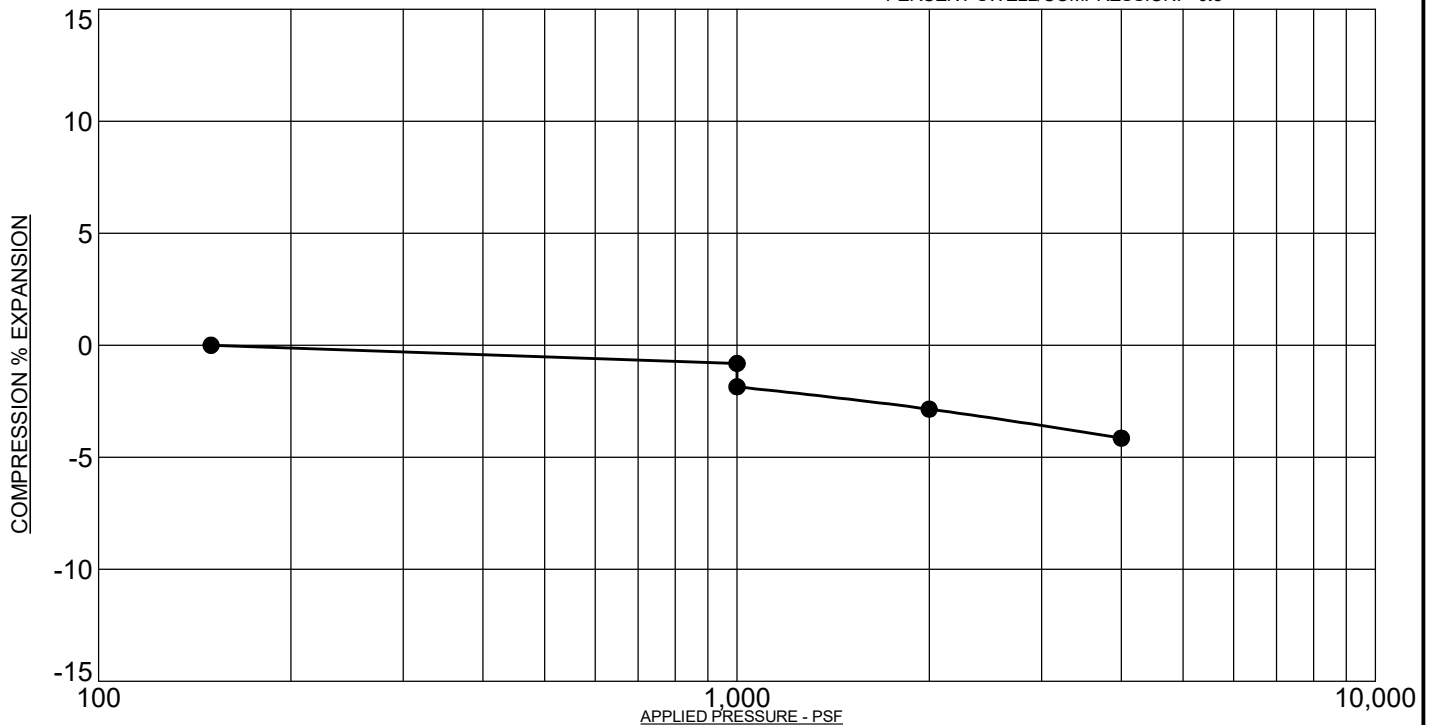
FIGURE No. 124

DATE Sep/16/2021



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: siltstone  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 121 @ 9 FT  
 NATURAL DRY UNIT WEIGHT: 89.6 PCF  
 NATURAL MOISTURE CONTENT: 10.9%  
 PERCENT SWELL/COMPRESSION: - 0.3



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: sandy silty clay  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 124 @ 4 FT  
 NATURAL DRY UNIT WEIGHT: 98.0 PCF  
 NATURAL MOISTURE CONTENT: 9.3%  
 PERCENT SWELL/COMPRESSION: - 1.0

ROCKY MOUNTAIN GROUP

Architectural  
 Structural  
 Forensics



Colorado Springs - (Corporate Office)  
 2910 Austin Bluffs Parkway  
 Colorado Springs, CO 80918  
 (719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

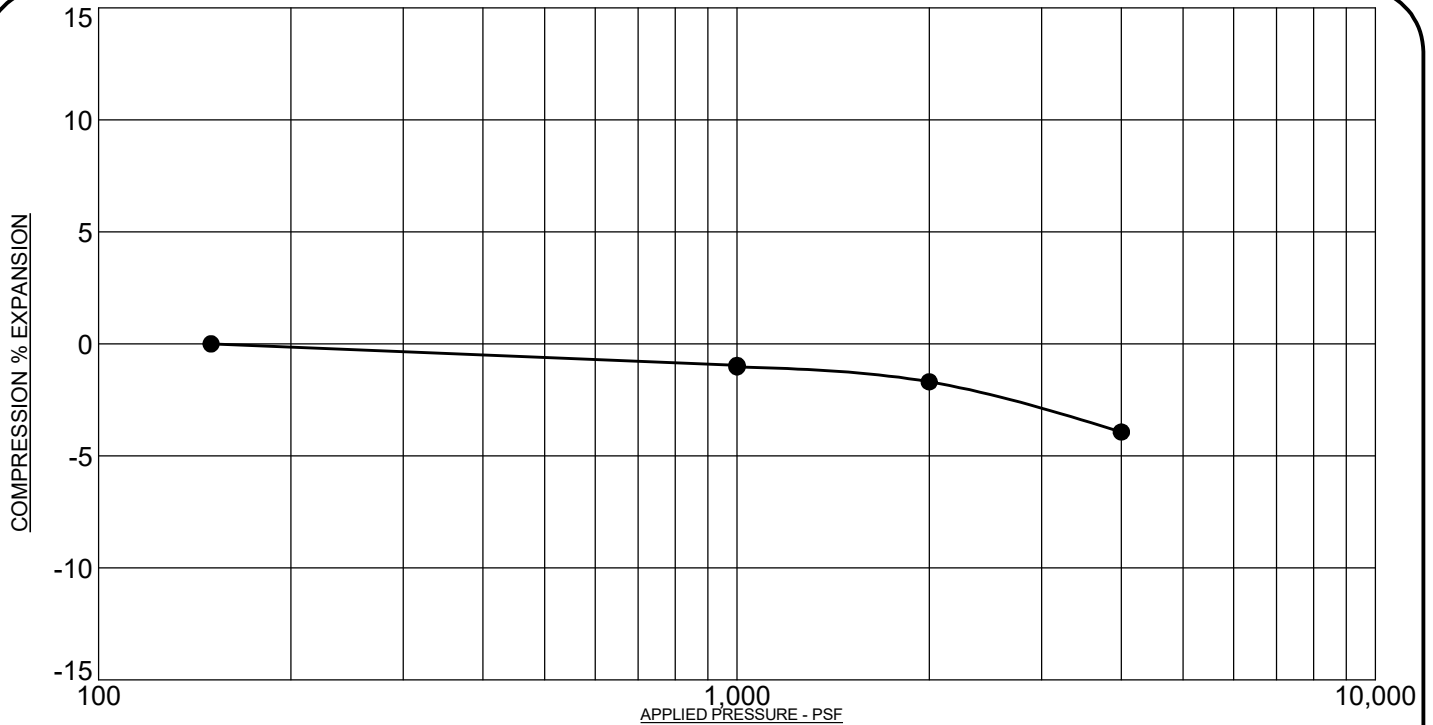
Geotechnical  
 Materials Testing  
 Civil, Planning

## SWELL/CONSOLIDATION TEST RESULTS

JOB No. 184203

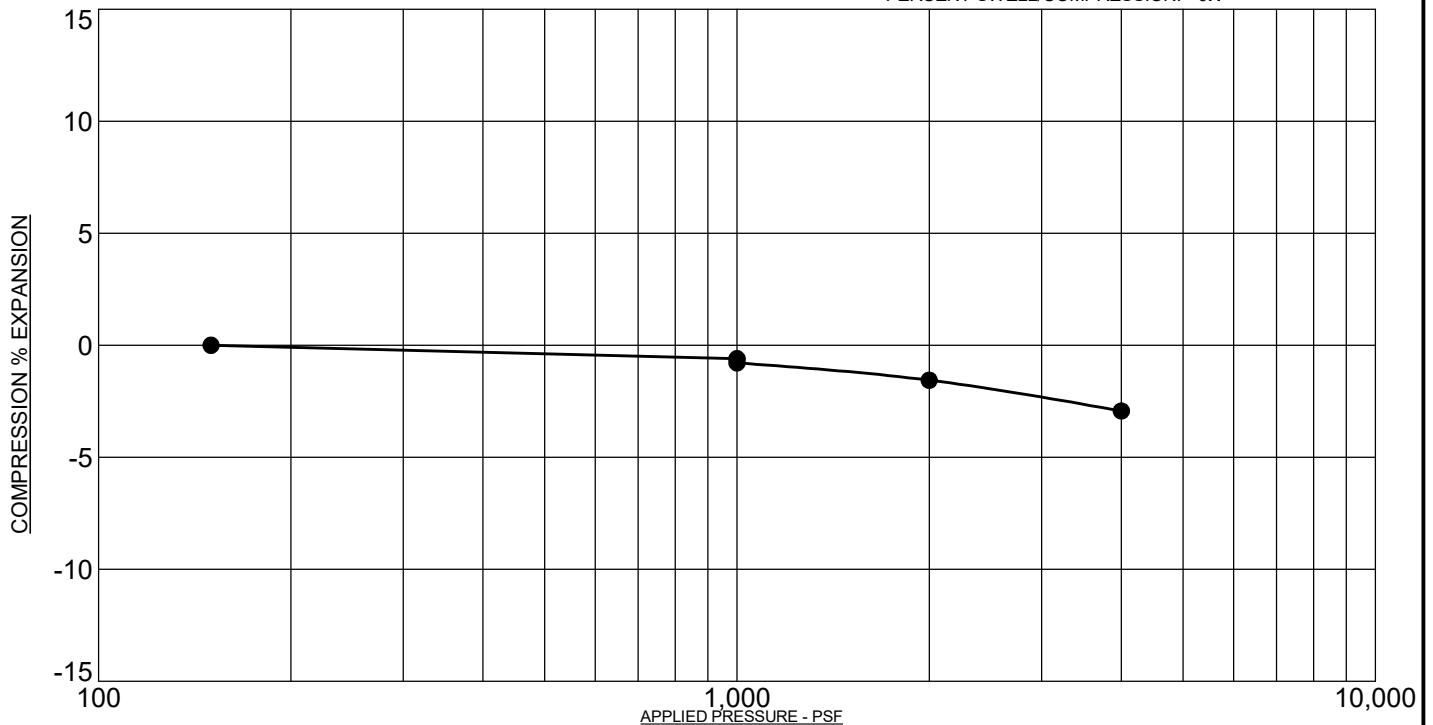
FIGURE No. 125

DATE Sep/16/2021



PROJECT: **Promontory Phase 1 Greeley, Colorado**  
 SAMPLE DESCRIPTION: **siltstone**  
 NOTE: **SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF**

SAMPLE LOCATION: **Lot 127 @ 9 FT**  
 NATURAL DRY UNIT WEIGHT: **89.2 PCF**  
 NATURAL MOISTURE CONTENT: **14.9%**  
 PERCENT SWELL/COMPRESSION: **- 0.1**



PROJECT: **Promontory Phase 1 Greeley, Colorado**  
 SAMPLE DESCRIPTION: **silty sand**  
 NOTE: **SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF**

SAMPLE LOCATION: **Lot 133 @ 4 FT**  
 NATURAL DRY UNIT WEIGHT: **108.1 PCF**  
 NATURAL MOISTURE CONTENT: **9.7%**  
 PERCENT SWELL/COMPRESSION: **- 0.2**

ROCKY MOUNTAIN GROUP

Architectural  
Structural  
Forensics



Colorado Springs - (Corporate Office)  
 2910 Austin Bluffs Parkway  
 Colorado Springs, CO 80918  
 (719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
Materials Testing  
Civil, Planning

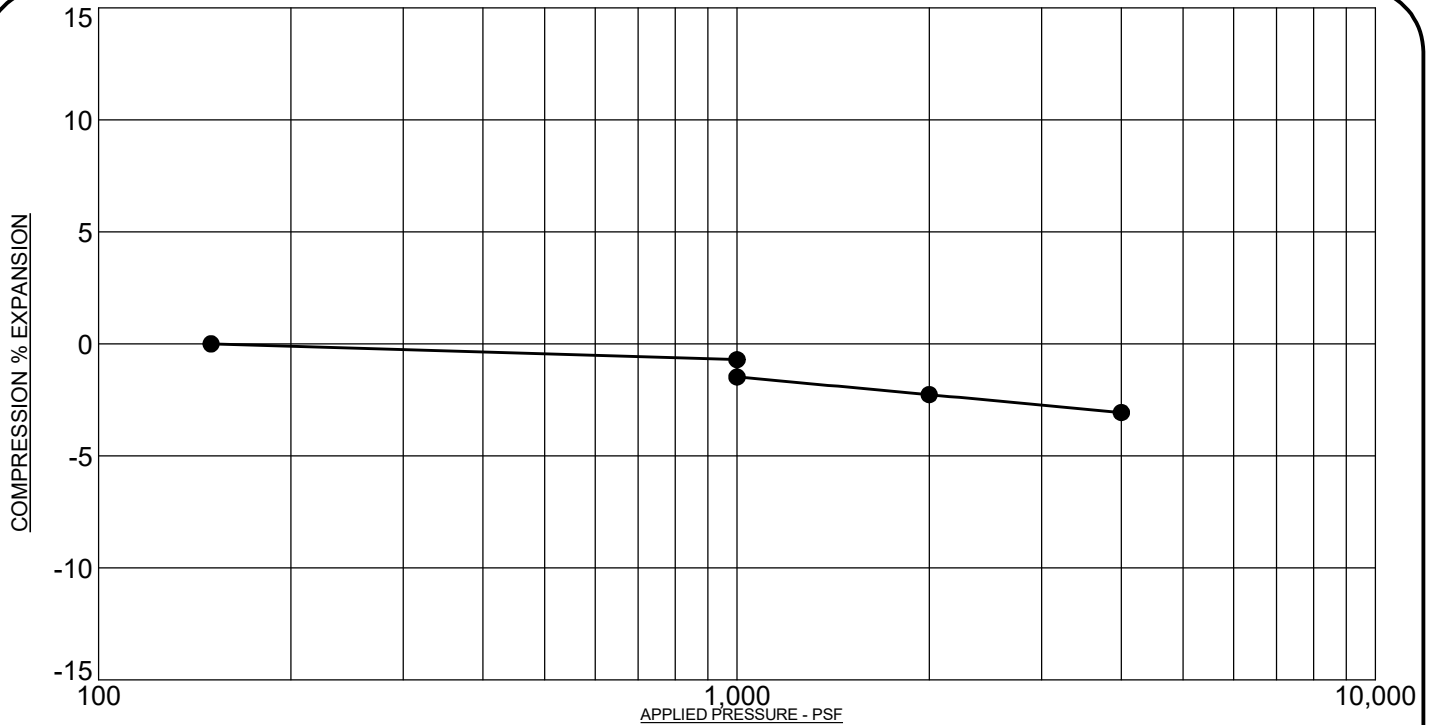
## SWELL/CONSOLIDATION TEST RESULTS

JOB No. 184203

FIGURE No. 126

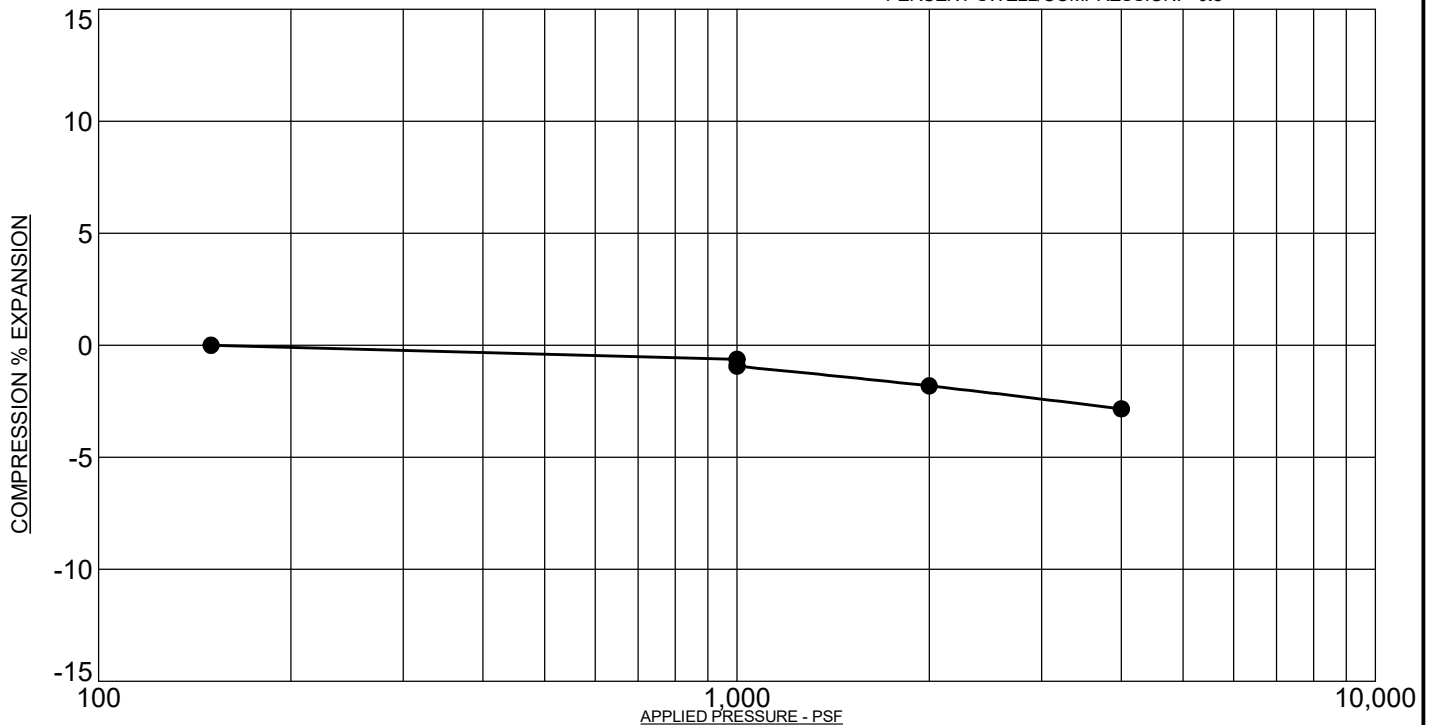
DATE Sep/16/2021





PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: silty sand  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 138 @ 9 FT  
 NATURAL DRY UNIT WEIGHT: 101.2 PCF  
 NATURAL MOISTURE CONTENT: 10.3%  
 PERCENT SWELL/COMPRESSION: - 0.8



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: silty sand  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 144 @ 4 FT  
 NATURAL DRY UNIT WEIGHT: 101.7 PCF  
 NATURAL MOISTURE CONTENT: 9.2%  
 PERCENT SWELL/COMPRESSION: - 0.3

ROCKY MOUNTAIN GROUP

Architectural  
 Structural  
 Forensics



Colorado Springs - (Corporate Office)  
 2910 Austin Bluffs Parkway  
 Colorado Springs, CO 80918  
 (719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

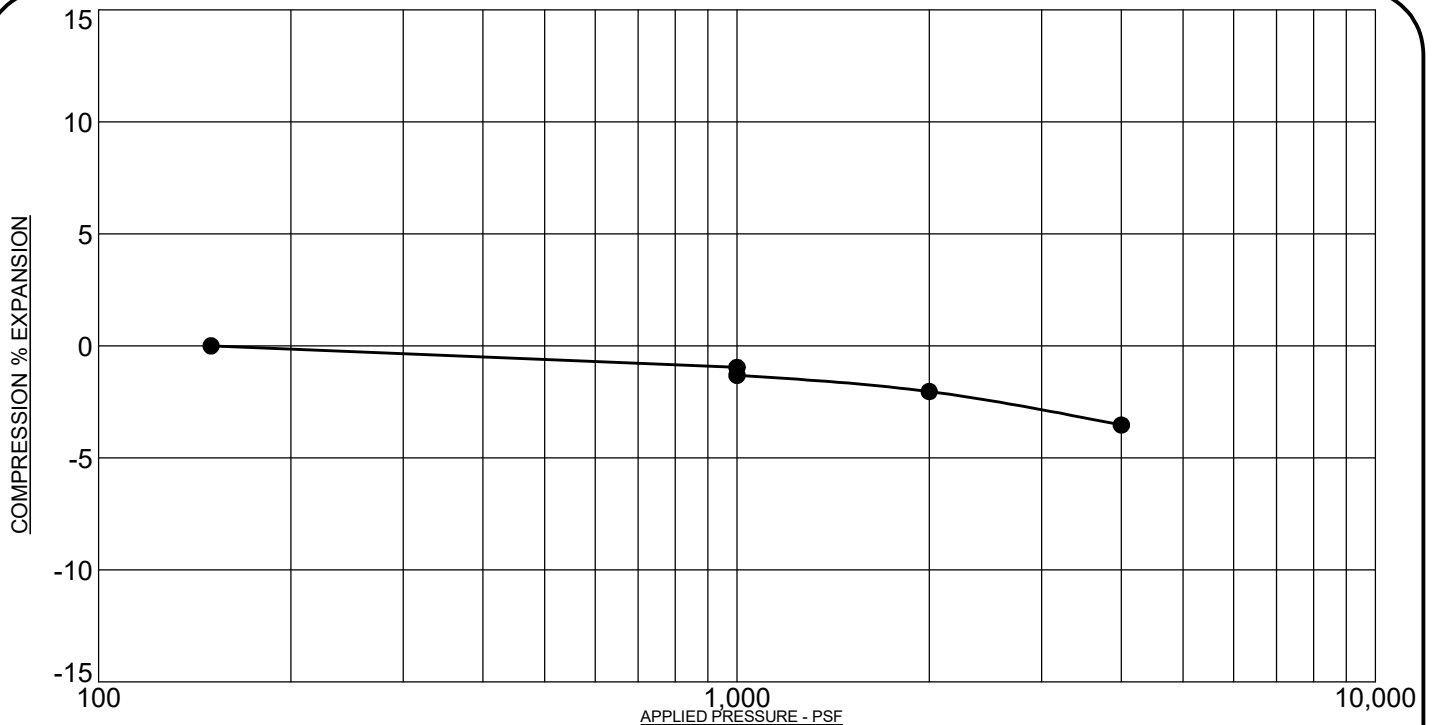
Geotechnical  
 Materials Testing  
 Civil, Planning

## SWELL/CONSOLIDATION TEST RESULTS

JOB No. 184203

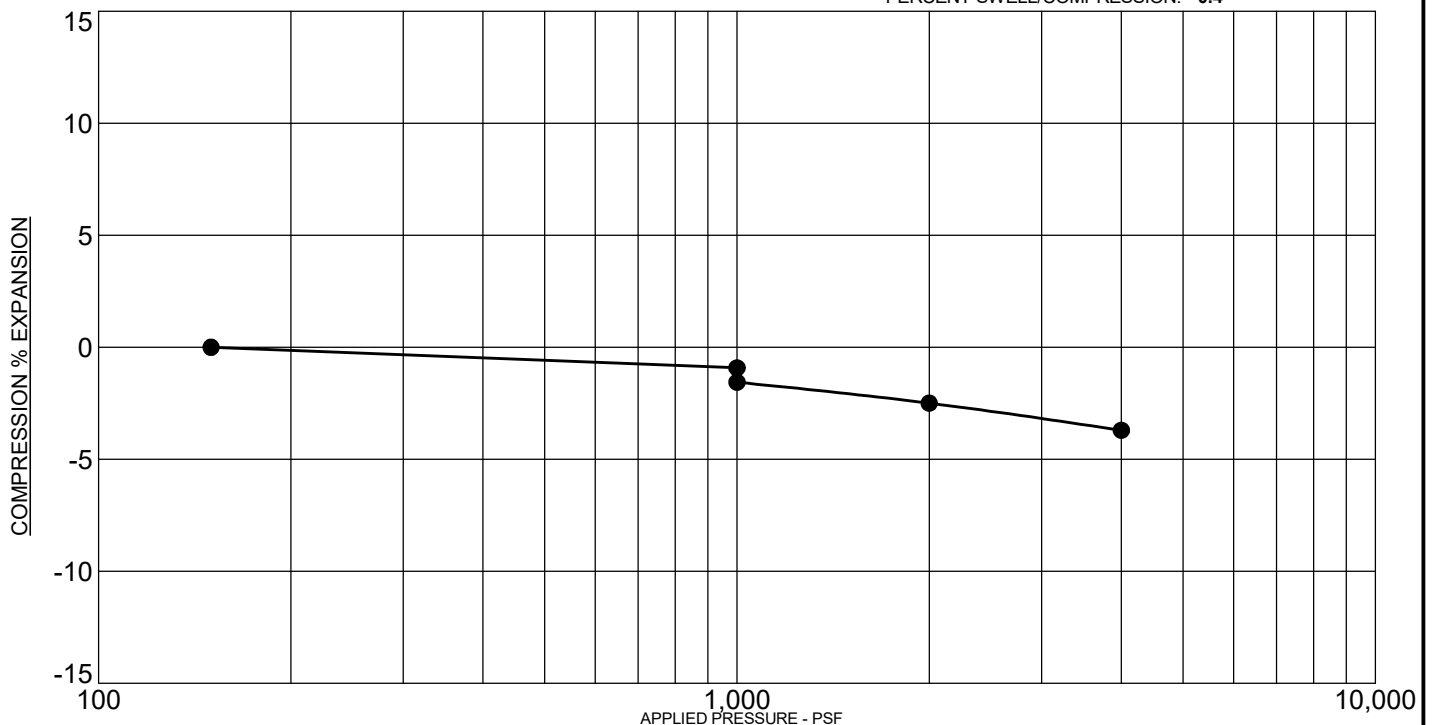
FIGURE No. 127

DATE Sep/16/2021



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: silty sand  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 146 @ 9 FT  
 NATURAL DRY UNIT WEIGHT: 113.7 PCF  
 NATURAL MOISTURE CONTENT: 10.3%  
 PERCENT SWELL/COMPRESSION: - 0.4



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: silty sand  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 149 @ 4 FT  
 NATURAL DRY UNIT WEIGHT: 100.1 PCF  
 NATURAL MOISTURE CONTENT: 7.9%  
 PERCENT SWELL/COMPRESSION: - 0.6

ROCKY MOUNTAIN GROUP

Architectural  
 Structural  
 Forensics



Colorado Springs - (Corporate Office)  
 2910 Austin Bluffs Parkway  
 Colorado Springs, CO 80918  
 (719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

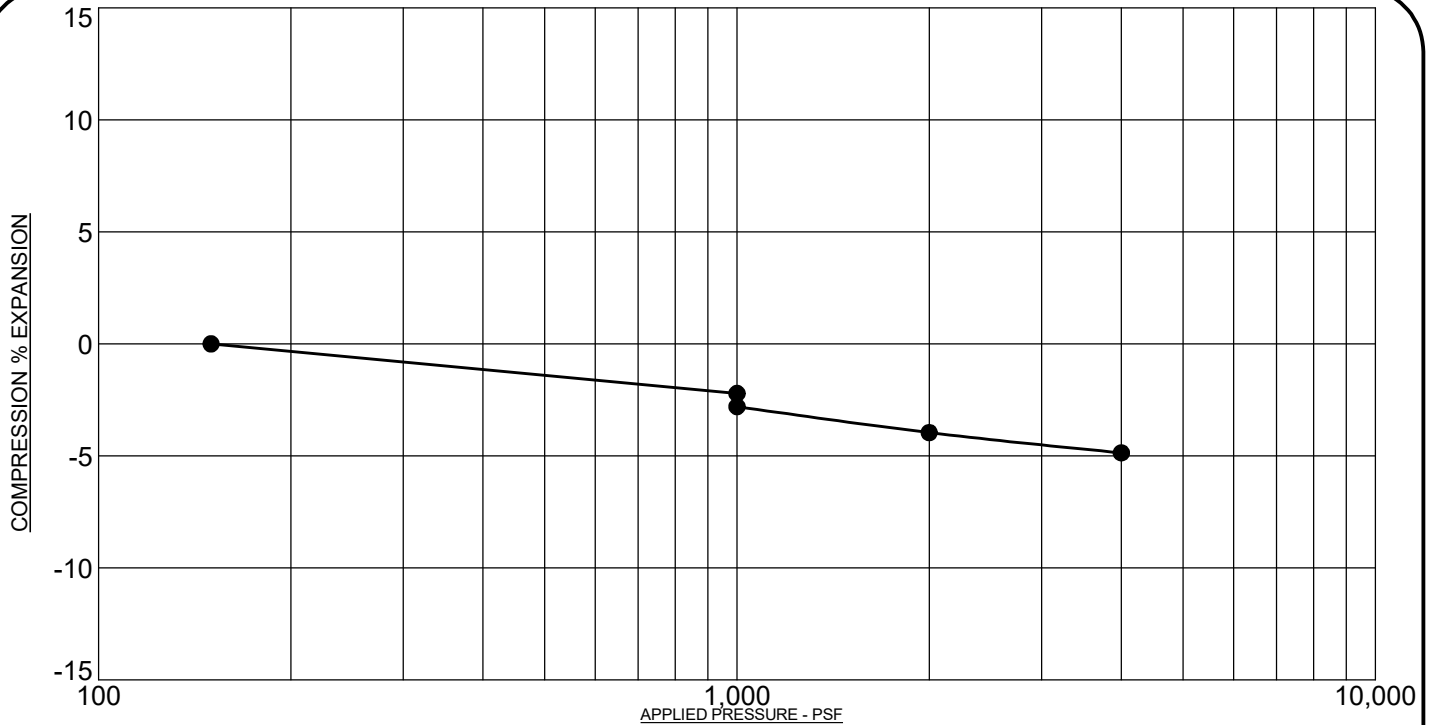
Geotechnical  
 Materials Testing  
 Civil, Planning

## SWELL/CONSOLIDATION TEST RESULTS

JOB No. 184203

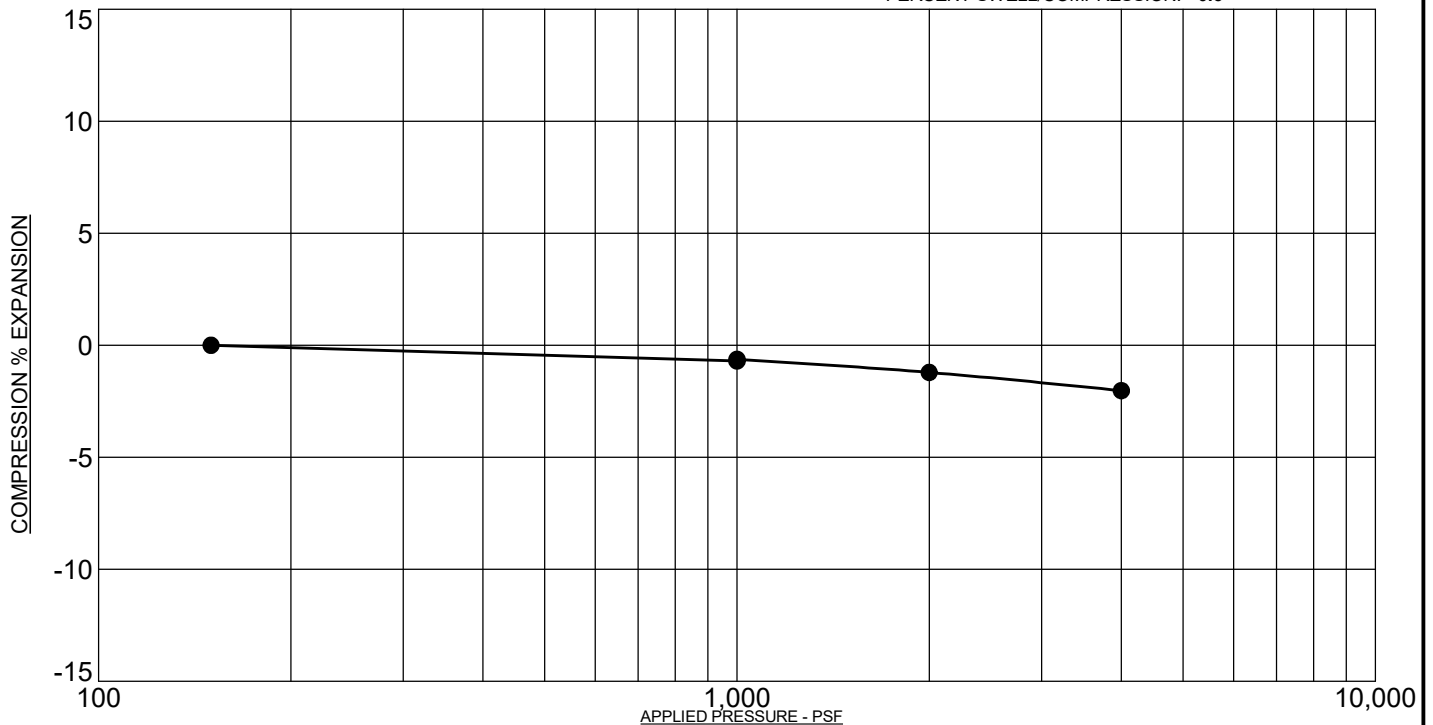
FIGURE No. 128

DATE Sep/16/2021



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: silty sand  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 160 @ 4 FT  
 NATURAL DRY UNIT WEIGHT: 100.5 PCF  
 NATURAL MOISTURE CONTENT: 6.7%  
 PERCENT SWELL/COMPRESSION: - 0.6



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: silty sand  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 163 @ 9 FT  
 NATURAL DRY UNIT WEIGHT: 98.0 PCF  
 NATURAL MOISTURE CONTENT: 8.9%  
 PERCENT SWELL/COMPRESSION: 0.1

ROCKY MOUNTAIN GROUP

Architectural  
 Structural  
 Forensics



Colorado Springs - (Corporate Office)  
 2910 Austin Bluffs Parkway  
 Colorado Springs, CO 80918  
 (719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

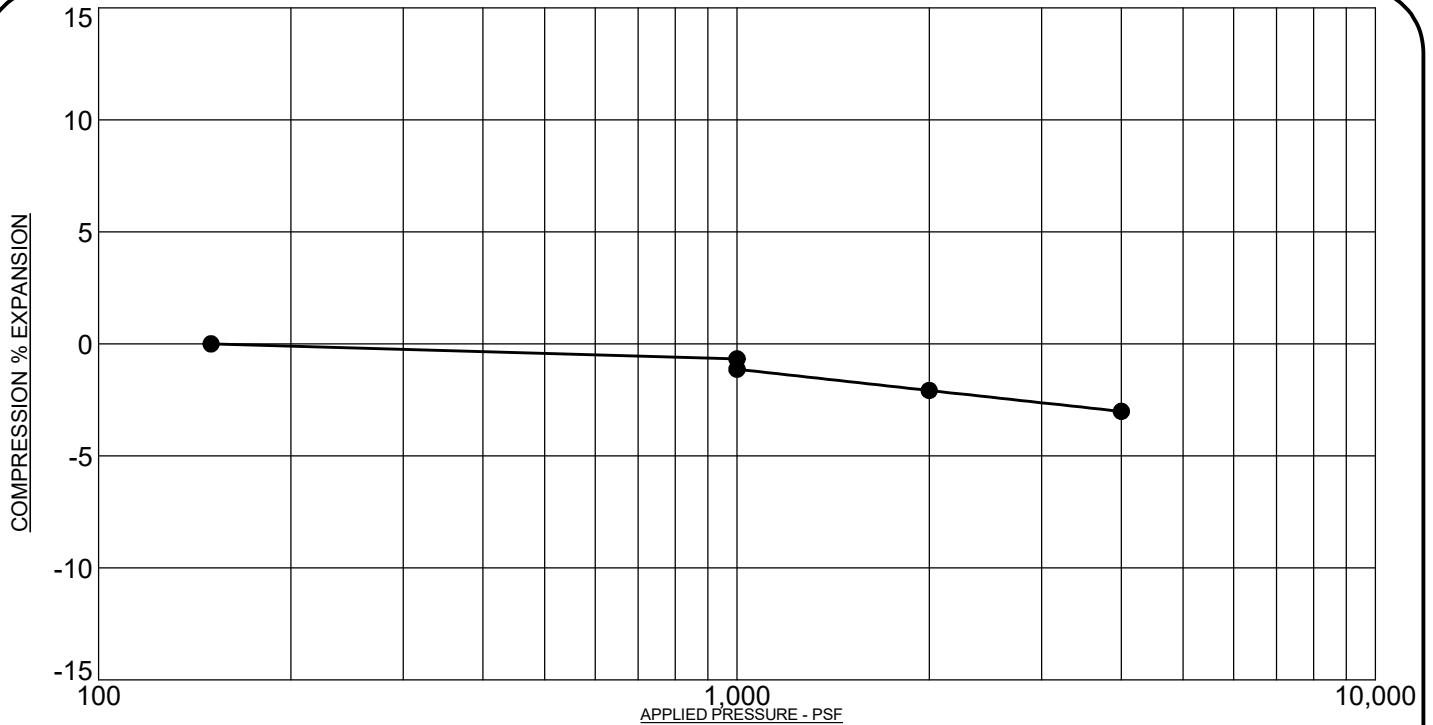
Geotechnical  
 Materials Testing  
 Civil, Planning

## SWELL/CONSOLIDATION TEST RESULTS

JOB No. 184203

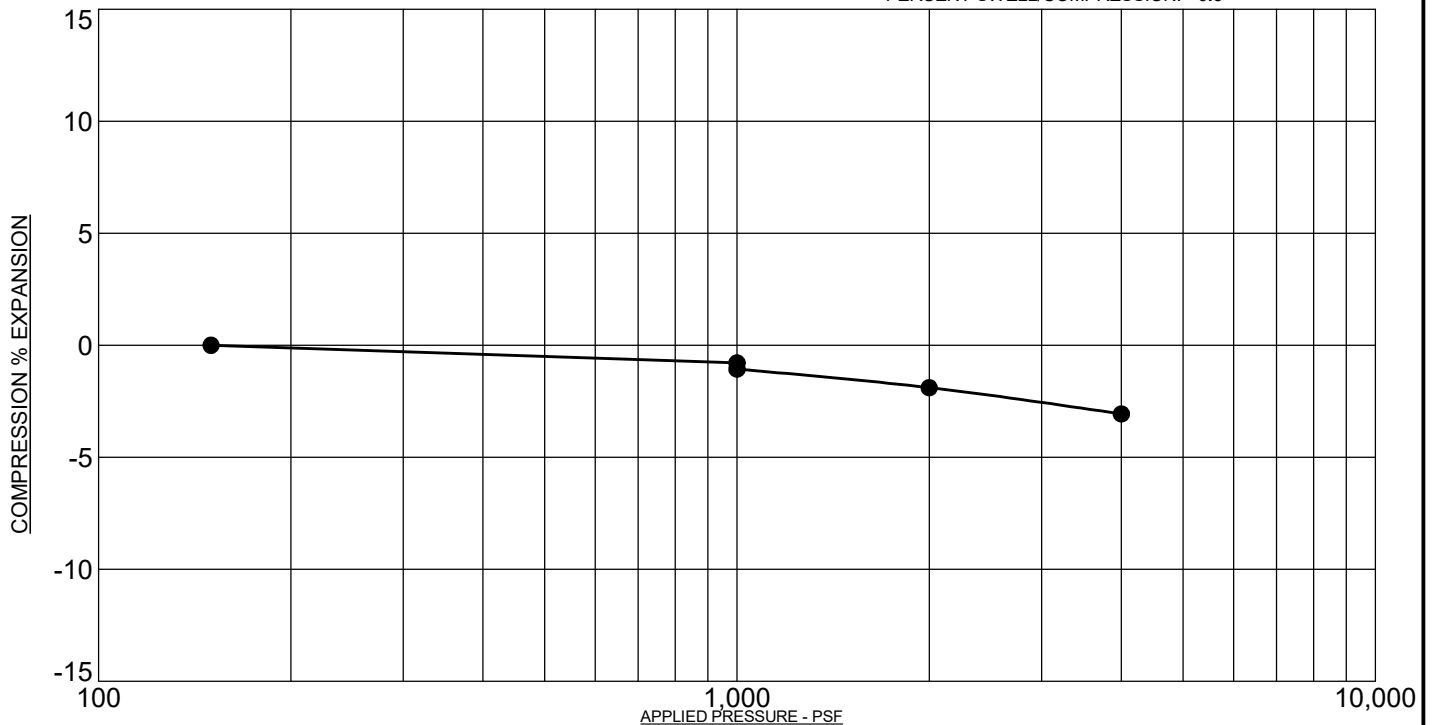
FIGURE No. 129

DATE Sep/16/2021



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: silty sand  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 168 @ 4 FT  
 NATURAL DRY UNIT WEIGHT: 107.0 PCF  
 NATURAL MOISTURE CONTENT: 7.4%  
 PERCENT SWELL/COMPRESSION: - 0.5



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: silty sand  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 171 @ 4 FT  
 NATURAL DRY UNIT WEIGHT: 110.0 PCF  
 NATURAL MOISTURE CONTENT: 12.0%  
 PERCENT SWELL/COMPRESSION: - 0.3

ROCKY MOUNTAIN GROUP

Architectural  
 Structural  
 Forensics



Colorado Springs - (Corporate Office)  
 2910 Austin Bluffs Parkway  
 Colorado Springs, CO 80918  
 (719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

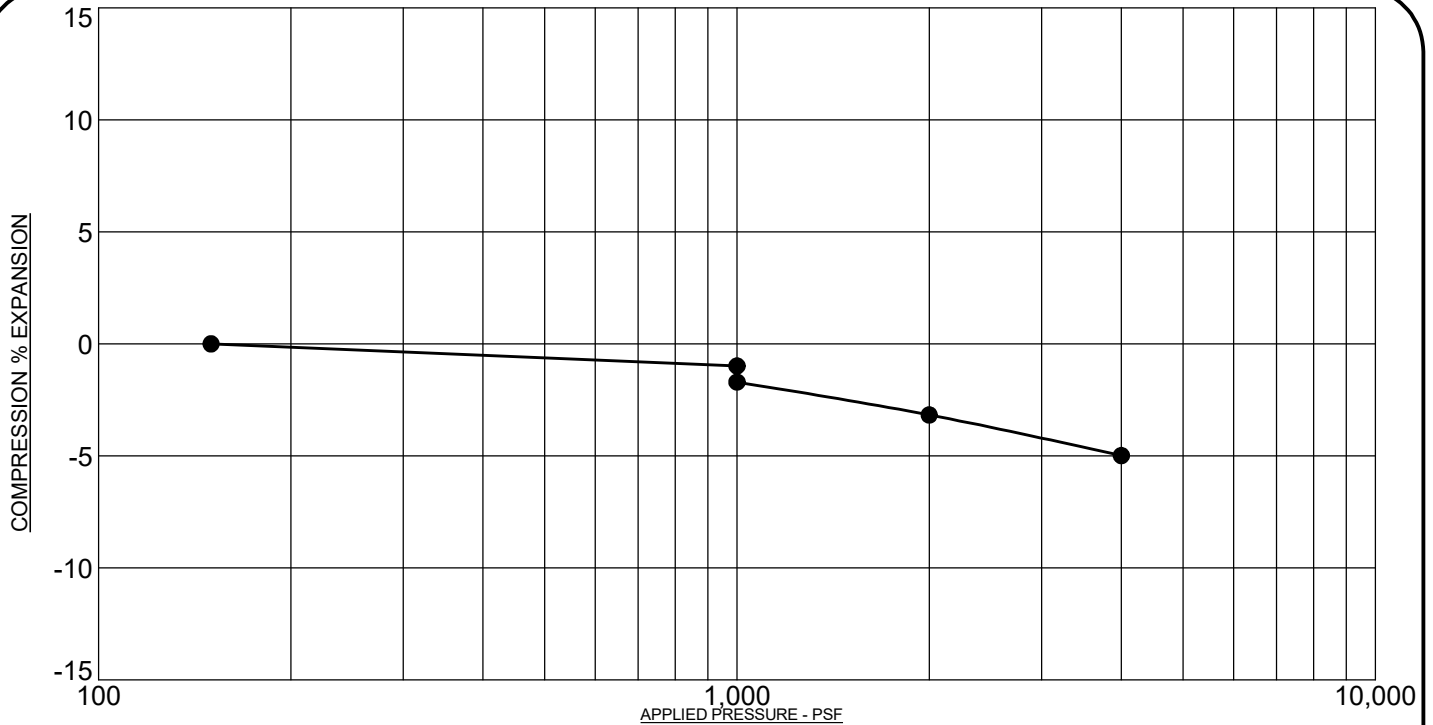
Geotechnical  
 Materials Testing  
 Civil, Planning

## SWELL/CONSOLIDATION TEST RESULTS

JOB No. 184203

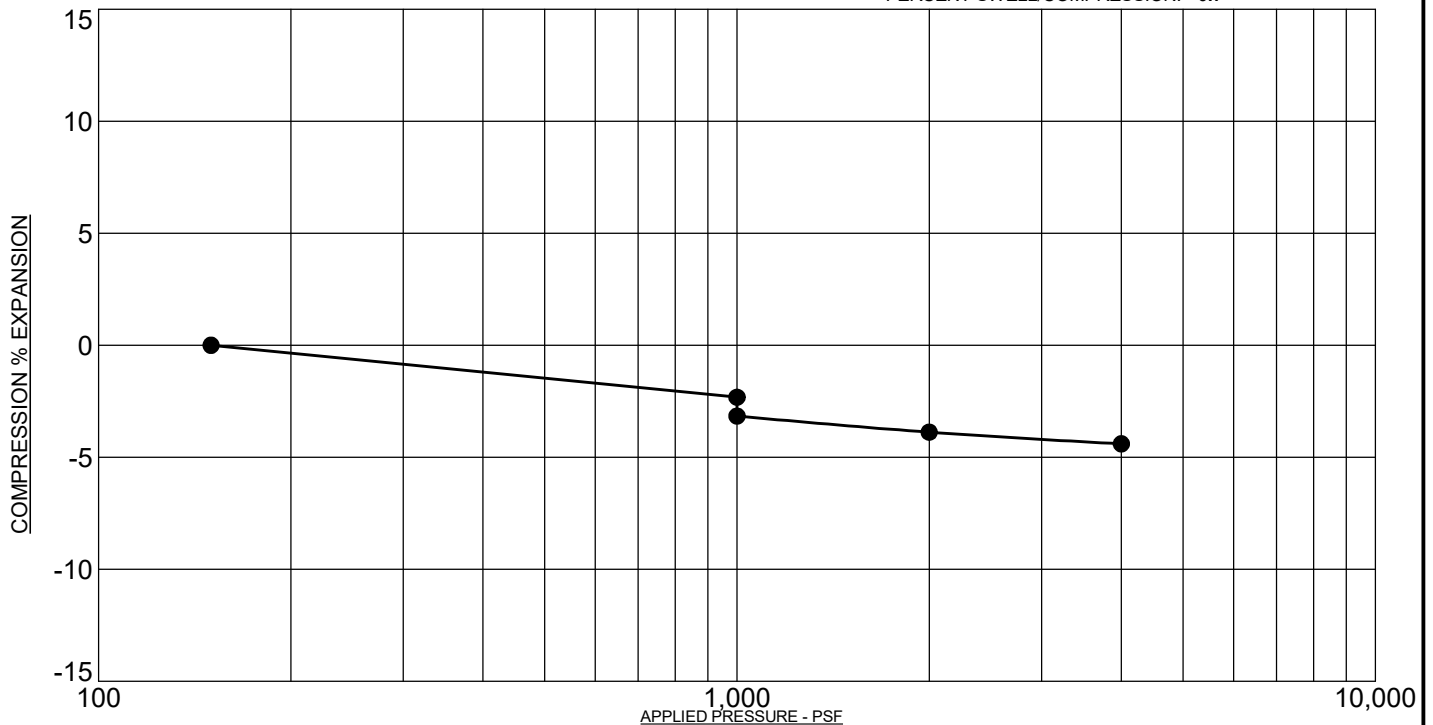
FIGURE No. 130

DATE Sep/16/2021



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: siltstone  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 207 @ 4 FT  
 NATURAL DRY UNIT WEIGHT: 88.6 PCF  
 NATURAL MOISTURE CONTENT: 11.7%  
 PERCENT SWELL/COMPRESSION: - 0.7



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: siltstone  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 212 @ 9 FT  
 NATURAL DRY UNIT WEIGHT: 88.2 PCF  
 NATURAL MOISTURE CONTENT: 11.8%  
 PERCENT SWELL/COMPRESSION: - 0.8

ROCKY MOUNTAIN GROUP

Architectural  
 Structural  
 Forensics



Colorado Springs - (Corporate Office)  
 2910 Austin Bluffs Parkway  
 Colorado Springs, CO 80918  
 (719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

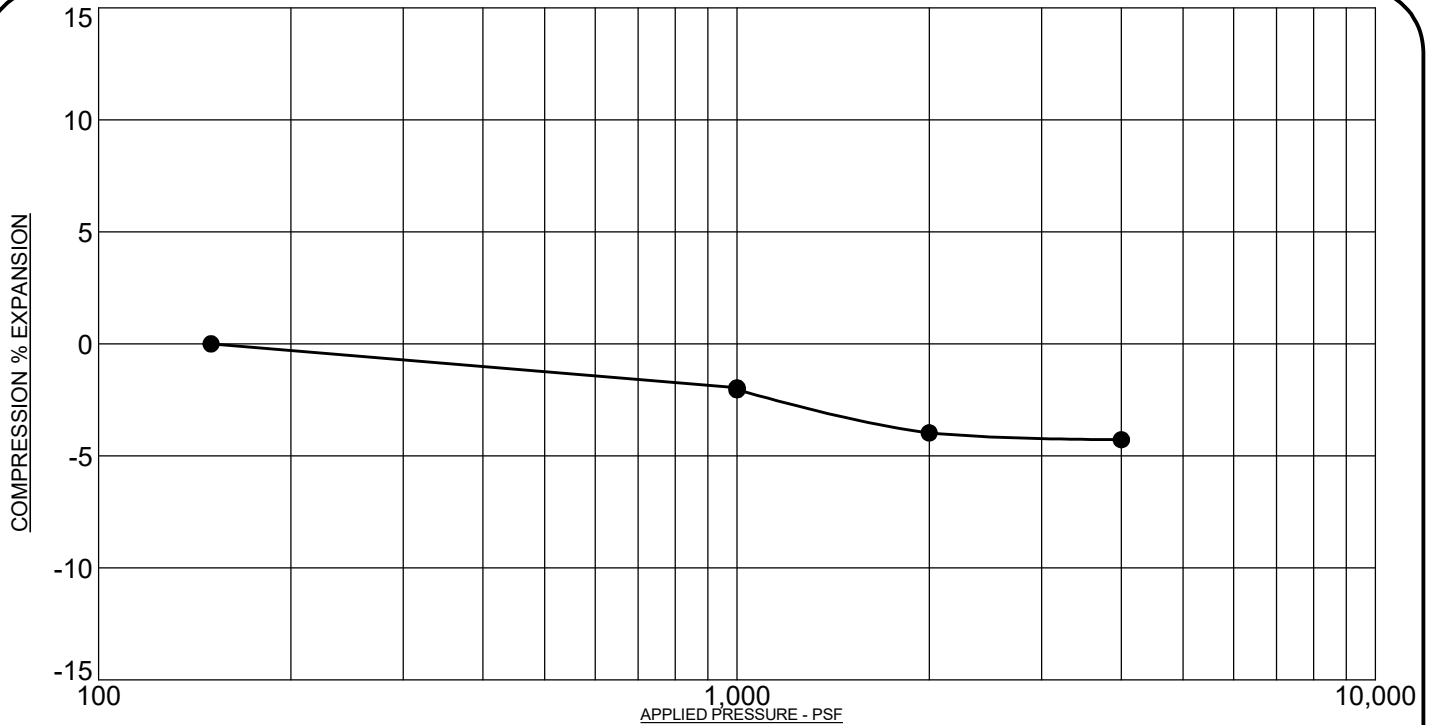
Geotechnical  
 Materials Testing  
 Civil, Planning

## SWELL/CONSOLIDATION TEST RESULTS

JOB No. 184203

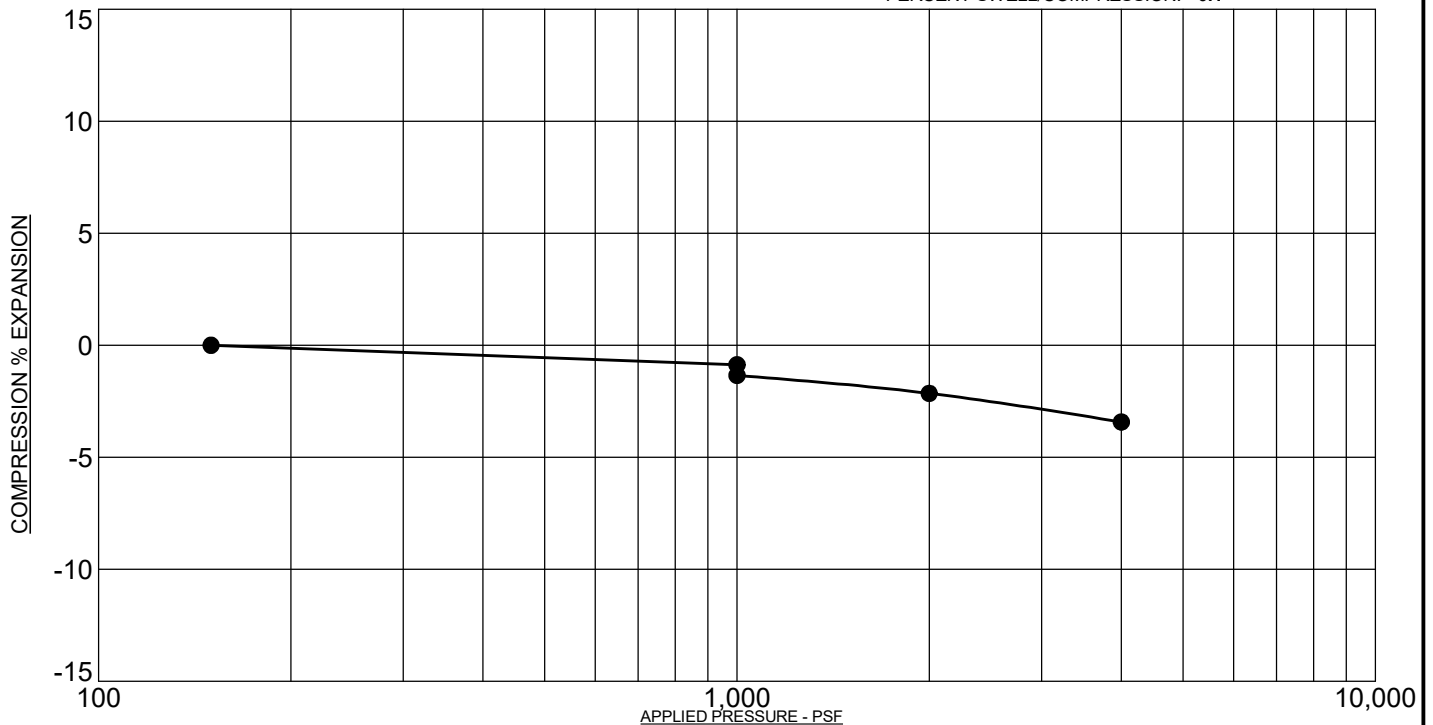
FIGURE No. 131

DATE Sep/16/2021



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: sandy lean clay  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 227 @ 4 FT  
 NATURAL DRY UNIT WEIGHT: 111.0 PCF  
 NATURAL MOISTURE CONTENT: 14.3%  
 PERCENT SWELL/COMPRESSION: - 0.1



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: siltstone  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 233 @ 9 FT  
 NATURAL DRY UNIT WEIGHT: 96.8 PCF  
 NATURAL MOISTURE CONTENT: 12.7%  
 PERCENT SWELL/COMPRESSION: - 0.5

ROCKY MOUNTAIN GROUP

Architectural  
 Structural  
 Forensics



Colorado Springs - (Corporate Office)  
 2910 Austin Bluffs Parkway  
 Colorado Springs, CO 80918  
 (719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

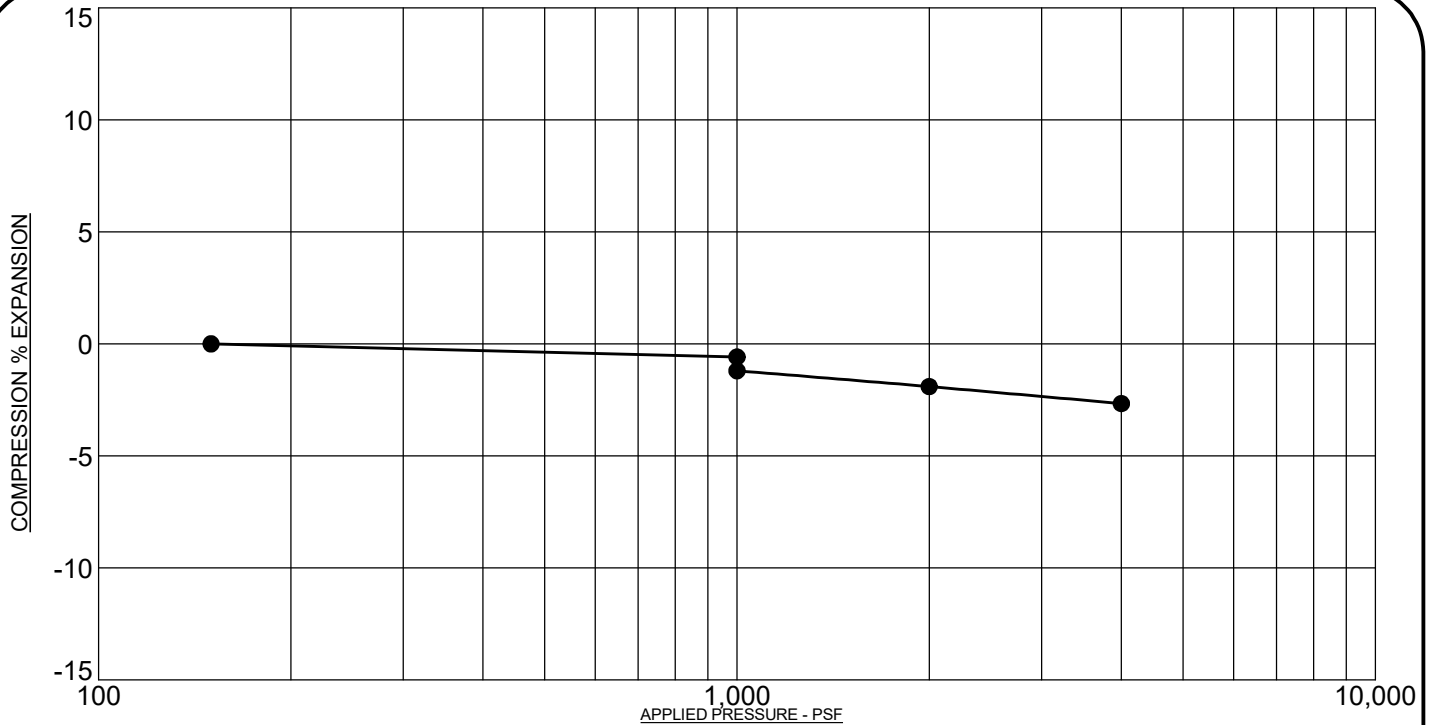
Geotechnical  
 Materials Testing  
 Civil, Planning

## SWELL/CONSOLIDATION TEST RESULTS

JOB No. 184203

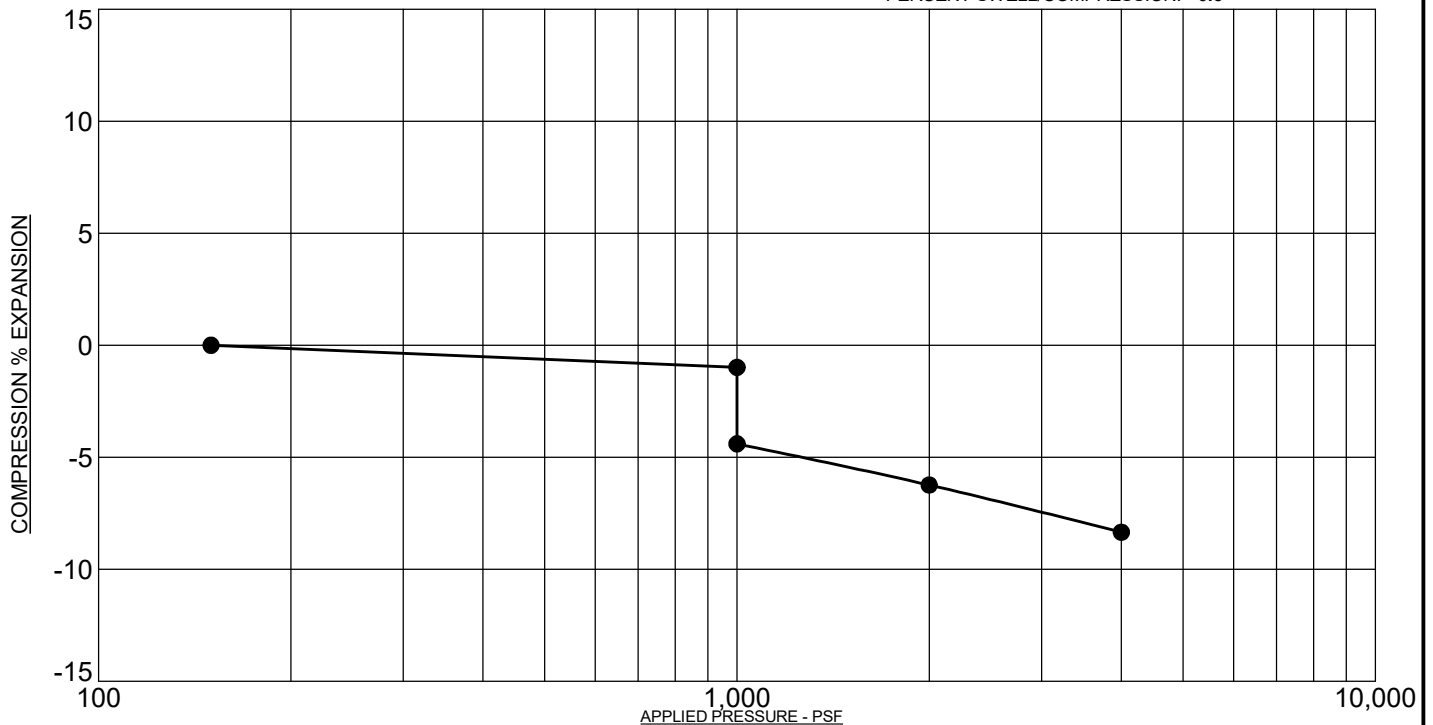
FIGURE No. 132

DATE Sep/16/2021



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: silty sand  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 237 @ 4 FT  
 NATURAL DRY UNIT WEIGHT: 110.7 PCF  
 NATURAL MOISTURE CONTENT: 9.6%  
 PERCENT SWELL/COMPRESSION: - 0.6



PROJECT: Promontory Phase 1 Greeley, Colorado  
 SAMPLE DESCRIPTION: silty sand  
 NOTE: SAMPLE WAS INUNDATED WITH WATER AT 1000 PSF

SAMPLE LOCATION: Lot 359 @ 4 FT  
 NATURAL DRY UNIT WEIGHT: 99.8 PCF  
 NATURAL MOISTURE CONTENT: 7.5%  
 PERCENT SWELL/COMPRESSION: - 3.4

ROCKY MOUNTAIN GROUP

Architectural  
 Structural  
 Forensics



Colorado Springs - (Corporate Office)  
 2910 Austin Bluffs Parkway  
 Colorado Springs, CO 80918  
 (719) 548-0600

SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

Geotechnical  
 Materials Testing  
 Civil, Planning

## SWELL/CONSOLIDATION TEST RESULTS

JOB No. 184203

FIGURE No. 133

DATE Sep/16/2021