WO # 188737

Client: Colorado Springs Equities LLC
90 South Cascade Avenue, 1500
Colorado Springs, CO 80903

Project: Crossroads Mixed Use

Report No: 20220707-A-DZH

Testing Date: 07/07/22

Field Technician Derek Hartness

Field Test Results

	Test Date	Proctor No	Method	Proctor Desc	Max Dry Density (pcf)	Min Compaction (%)	Optimum Water Content (%)	Water Content Range		Dry Density (pcf)	Percent Compaction (%)	Water Content (%)	Meets Proj. Specs? Compaction	Water Content	Test Pass	Re- test
1	07/07/2022	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		114.1	98	11.8	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	MH - Manhole			Meadowbrook Pkwy, STA 4+00					F - Finished ground surface				8.0			
2	07/07/2022	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		113.8	98	10.2	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	MH - Manhole			Meadowbrook Pkwy, STA 6+00					F - Finished ground surface				6.0			

Inspection Comments:

During the requested site visit, RMG performed compaction testing on manhole backfill in the vicinity of Meadowbrook Pkwy. Compaction test results are attached. Contractor was notified.

WO # 188737

Client:
Colorado Springs Equities LLC
90 South Cascade Avenue, 1500
Colorado Springs, CO 80903

Project:
Crossroads Mixed Use

Report No: 20220707-B-DZH

Testing Date: 07/07/22

Field Technician Derek Hartness

Field Test Results

	Test Date	Proctor No	Method	Proctor Desc	Max Dry Density (pcf)	Min Compaction (%)	Optimum Water Content (%)	Water Content Range		Dry Density (pcf)	Percent Compaction (%)	Water Content (%)	Meets Proj. Specs? Compaction	Water Content	Test Pass	Re- test
1	07/07/2022	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		114.1	98	9.8	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	MH - Manhole			Meadowbrook Pkwy, STA 4+00					F - Finished ground surface				0.0			
2	07/07/2022	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		115.1	99	8.5	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	MH - Manhole			Meadowbrook Pkwy, STA 6+00					F - Finished ground surface				0.0			

Inspection Comments:

During the requested site visit, RMG performed compaction testing on manhole backfill in the area of Meadowbrook Pkwy. Compaction test results are attached.

The tests were performed in general accordance with applicable ASTM and AASHTO test methods. Test results indicate the density at the specific depths and locations tested. We have relied on the contractor to apply the necessary compactive effort and moisture to achieve specified compaction during times when our observer is not present and at locations other than those tested. The test results may not be representative of all the fill placed.

WO # 188737

Client: Colorado Springs Equities LLC
90 South Cascade Avenue, 1500
Colorado Springs, CO 80903

Project: Crossroads Mixed Use

Report No: 20220708-A-KMK

Testing Date: 07/08/22

Field Technician Kevin Keilman

Field Test Results

	Test Date	Proctor No	Method	Proctor Desc	Max Dry Density (pcf)	Min Compaction (%)	Optimum Water Content (%)	Water Content Range		Dry Density (pcf)	Percent Compaction (%)	Water Content (%)	Meets Proj. Specs? Compaction	Water Content	Test Pass	Re- test
1	07/08/2022	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		110.6	95	8.4	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	MH - Manhole			Existing manhole #1 along Meadowbrook					C - Pavement/Slab Elevation				2.0			
2	07/08/2022	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		110.0	95	8.6	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	MH - Manhole			Existing manhole #1 along Meadowbrook					C - Pavement/Slab Elevation				0.0			
3	07/08/2022	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		111.2	96	9.0	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	MH - Manhole			Existing manhole #6 along Meadowbrook					C - Pavement/Slab Elevation				0.0			

Inspection Comments:

During the requested site visit, RMG performed compaction testing on existing manholes in the areas of Manhole numbers 1 and 6. Compaction test results are attached. Contractor was notified.

The tests were performed in general accordance with applicable ASTM and AASHTO test methods. Test results indicate the density at the specific depths and locations tested. We have relied on the contractor to apply the necessary compactive effort and moisture to achieve specified compaction during times when our observer is not present and at locations other than those tested. The test results may not be representative of all the fill placed.

WO # 188737

Client: Colorado Springs Equities LLC
90 South Cascade Avenue, 1500
Colorado Springs, CO 80903

Project: Crossroads Mixed Use

Report No: 20220711-A-KMK

Testing Date: 07/11/22

Field Technician Kevin Keilman

Field Test Results

	Test Date	Proctor No	Method	Proctor Desc	Max Dry Density (pcf)	Min Compaction (%)	Optimum Water Content (%)	Water Content Range		Dry Density (pcf)	Percent Compaction (%)	Water Content (%)	Meets Proj. Specs? Compaction	Water Content	Test Pass	Re- test
1	07/11/2022	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		110.4	95	9.7	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	MH - Manhole			Existing manhole #5 along Meadowbrook Pkwy					C - Pavement/Slab Elevation				2.0			
2	07/11/2022	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		109.9	95	8.9	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	MH - Manhole			Existing manhole #5 along Meadowbrook Pkwy					C - Pavement/Slab Elevation				0.0			
3	07/11/2022	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		111.5	96	9.2	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	MH - Manhole			Existing manhole #3 along Meadowbrook Pkwy					C - Pavement/Slab Elevation				2.0			
4	07/11/2022	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		110.1	95	10.7	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	MH - Manhole			Existing manhole #3 along Meadowbrook Pkwy					C - Pavement/Slab Elevation				0.0			

Inspection Comments:

During the requested site visit, RMG performed compaction testing on existing manholes # 3 and 5. Compaction test results are attached. Contractor was notified.

The tests were performed in general accordance with applicable ASTM and AASHTO test methods. Test results indicate the density at the specific depths and locations tested. We have relied on the contractor to apply the necessary compactive effort and moisture to achieve specified compaction during times when our observer is not present and at locations other than those tested. The test results may not be representative of all the fill placed.

WO # 188737

Client: Colorado Springs Equities LLC
90 South Cascade Avenue, 1500
Colorado Springs, CO 80903

Project: Crossroads Mixed Use

Report No: 20220728-A-DRS

Testing Date: 07/28/22

Field Technician David Sellon

Field Test Results

	Test Date	Proctor No	Method	Proctor Desc	Max Dry Density (pcf)	Min Compaction (%)	Optimum Water Content (%)	Water Content Range		Dry Density (pcf)	Percent Compaction (%)	Water Content (%)	Meets Proj. Specs? Compaction	Water Content	Test Pass	Re- test
1	07/28/2022	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		110.6	95	8.4	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	SD - Storm Drain			Meadowbrook Pkwy, STA 1+50					A - Existing ground surface @ time of test				0.0			
2	07/28/2022	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		112.0	96	8.7	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	SD - Storm Drain			Meadowbrook Pkwy, STA 2+50					A - Existing ground surface @ time of test				0.0			

Inspection Comments:

During the requested site visit, RMG performed compaction testing on storm drain backfill in the vicinity of Meadowbrook Pkwy. Compaction test results are attached. Contractor was notified.

The tests were performed in general accordance with applicable ASTM and AASHTO test methods. Test results indicate the density at the specific depths and locations tested. We have relied on the contractor to apply the necessary compactive effort and moisture to achieve specified compaction during times when our observer is not present and at locations other than those tested. The test results may not be representative of all the fill placed.

WO # 188737

Client: Colorado Springs Equities LLC
90 South Cascade Avenue, 1500
Colorado Springs, CO 80903

Project: Crossroads Mixed Use

Report No: 20220809-A-JPD

Testing Date: 08/09/22

Field Technician Jarod Daniel

Field Test Results

	Test Date	Proctor No	Method	Proctor Desc	Max Dry Density (pcf)	Min Compaction (%)	Optimum Water Content (%)	Water Content Range		Dry Density (pcf)	Percent Compaction (%)	Water Content (%)	Meets Proj. Specs? Compaction	Water Content	Test Pass	Re- test
1	08/09/2022	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		112.3	97	8.8	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	MH - Manhole			Meadowbrook Pkwy, STA 13+75, MH #6, pothole, E side of MH					F - Finished ground surface				2.0			
2	08/09/2022	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		114.2	98	9.4	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	MH - Manhole			Meadowbrook Pkwy, STA 13+75, MH #6, W side of MH					F - Finished ground surface				0.0			
3	08/09/2022	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		111.6	96	8.9	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	MH - Manhole			Meadowbrook Pkwy, STA 8+00, MH #3, pothole, E side of MH					F - Finished ground surface				4.0			
4	08/09/2022	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		114.7	99	8.6	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	MH - Manhole			Meadowbrook Pkwy, STA 8+00, MH #3, W side of MH					F - Finished ground surface				2.0			
5	08/09/2022	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		113.0	97	10.0	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	MH - Manhole			Meadowbrook Pkwy, STA 4+10, MH #1					F - Finished ground surface				4.0			

Inspection Comments:

During the requested site visit, RMG performed compaction testing on manhole backfill in the vicinity of Meadowbrook Pkwy. Compaction test results are attached. Contractor was notified.

The tests were performed in general accordance with applicable ASTM and AASHTO test methods. Test results indicate the density at the specific depths and locations tested. We have relied on the contractor to apply the necessary compactive effort and moisture to achieve specified compaction during times when our observer is not present and at locations other than those tested. The test results may not be representative of all the fill placed.

WO # 188737

Client:
Colorado Springs Equities LLC
90 South Cascade Avenue, 1500
Colorado Springs, CO 80903

Project:
Crossroads Mixed Use

Report No: 20220809-B-JPD

Testing Date: 08/09/22

Field Technician Jarod Daniel

Field Test Results

	Test Date	Proctor No	Method	Proctor Desc	Max Dry Density (pcf)	Min Compaction (%)	Optimum Water Content (%)	Water Content Range		Dry Density (pcf)	Percent Compaction (%)	Water Content (%)	Meets Proj. Specs? Compaction	Water Content	Test Pass	Re- test
1	08/09/2022	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		110.9	96	10.1	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	MH - Manhole			STA 8+00 along Meadowbrook Pkwy, MH #3					F - Finished ground surface				0.0			
2	08/09/2022	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		112.4	97	9.1	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	MH - Manhole			STA 4+10 along Meadowbrook Pkwy, MH #1, pothole, W side of MH					F - Finished ground surface				2.0			
3	08/09/2022	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		113.3	98	8.9	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	MH - Manhole			STA 4+10 along meadowbrook Pkwy, MH #1, E side of MH					F - Finished ground surface				0.0			

Inspection Comments:

During the requested site visit, RMG performed compaction testing on manhole backfill in the vicinity of Meadowbrook Pkwy, Compaction test results are attached. Contractor was notified.

The tests were performed in general accordance with applicable ASTM and AASHTO test methods. Test results indicate the density at the specific depths and locations tested. We have relied on the contractor to apply the necessary compactive effort and moisture to achieve specified compaction during times when our observer is not present and at locations other than those tested. The test results may not be representative of all the fill placed.

WO # 188737

Client:
Colorado Springs Equities LLC
90 South Cascade Avenue, 1500
Colorado Springs, CO 80903

Project:
Crossroads Mixed Use

Report No: 20220907-B-DZH

Testing Date: 09/07/22

Field Technician Derek Hartness

Field Test Results

	Test Date	Proctor No	Method	Proctor Desc	Max Dry Density (pcf)	Min Compaction (%)	Optimum Water Content (%)	Water Content Range		Dry Density (pcf)	Percent Compaction (%)	Water Content (%)	Meets Proj. Specs? Compaction	Water Content	Test Pass	Re- test
1	09/07/2022	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		113.8	98	9.8	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	SD - Storm Drain			Meadowbrook Pkwy, STA 1+29					F - Finished ground surface				2.0			
2	09/07/2022	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		114.1	98	9.4	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	SD - Storm Drain			Meadowbrook Pkwy, STA 1+29					F - Finished ground surface				0.0			

Inspection Comments:

During the requested site visit, RMG performed compaction testing on storm drain backfill in the vicinity of Meadowbrook Pkwy. Compaction test results are attached. Contractor was notified.

The tests were performed in general accordance with applicable ASTM and AASHTO test methods. Test results indicate the density at the specific depths and locations tested. We have relied on the contractor to apply the necessary compactive effort and moisture to achieve specified compaction during times when our observer is not present and at locations other than those tested. The test results may not be representative of all the fill placed.

WO # 188737

Client: Colorado Springs Equities LLC
90 South Cascade Avenue, 1500
Colorado Springs, CO 80903

Project: Crossroads Mixed Use

Report No: 20220909-A-JXS

Testing Date: 09/09/22

Field Technician Jason Stockley

Field Test Results

	Test Date	Proctor No	Method	Proctor Desc	Max Dry Density (pcf)	Min Compaction (%)	Optimum Water Content (%)	Water Content Range		Dry Density (pcf)	Percent Compaction (%)	Water Content (%)	Meets Proj. Specs? Compaction	Water Content	Test Pass	Re- test
1	09/09/2022	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		112.4	97	8.4	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	SD - Storm Drain			Meadowbrook Pkwy, STA 2+00, left of center line, Inlet					C - Pavement/Slab Elevation				0.0			
2	09/09/2022	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		111.2	96	8.1	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	SD - Storm Drain			Meadowbrook Pkwy, STA 1+25, right of center line, inlet					C - Pavement/Slab Elevation				0.0			

Inspection Comments:

During the requested site visit, RMG performed compaction testing on storm drain outlet backfill in the vicinity of Meadowbrook Pkwy. Compaction test results are attached. Technician also performed concrete testing on concrete placed for curb and gutter in the vicinity of Meadowbrook Pkwy . Concrete test results are presented in a separate report. Technician cast 1 set of 5 concrete cylinders and left samples onsite for initial cure. Technician retrieved 1 set of 5 concrete cylinders. Contractor was noitified.

WO # 188737

Client:
Colorado Springs Equities LLC
90 South Cascade Avenue, 1500
Colorado Springs, CO 80903

Project:
Crossroads Mixed Use

Report No: 20230802-A-KMK

Testing Date: 08/02/23

Field Technician Kevin Keilman

Field Test Results

	Test Date	Proctor No	Method	Proctor Desc	Max Dry Density (pcf)	Min Compaction (%)	Optimum Water Content (%)	Water Content Range		Dry Density (pcf)	Percent Compaction (%)	Water Content (%)	Meets Proj. Specs? Compaction	Water Content	Test Pass	Re- test
1	08/02/2023	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		110.9	96	8.4	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	SD - Storm Drain			2' S & 2' W from NE pond outlet structure corner					F - Finished ground surface				- 2.0			

Inspection Comments:

During the requested site visit, RMG performed compaction testing on the storm drain backfill, in the vicinity of the detention pond outlet. Compaction results are presented in the attached report. Contractor was notified.

The tests were performed in general accordance with applicable ASTM and AASHTO test methods. Test results indicate the density at the specific depths and locations tested. We have relied on the contractor to apply the necessary compactive effort and moisture to achieve specified compaction during times when our observer is not present and at locations other than those tested. The test results may not be representative of all the fill placed.

WO # 188737

Client:
Colorado Springs Equities LLC
90 South Cascade Avenue, 1500
Colorado Springs, CO 80903

Project:
Crossroads Mixed Use

Report No: 20230815-A-KMK

Testing Date: 08/15/23

Field Technician Kevin Keilman

Field Test Results

	Test Date	Proctor No	Method	Proctor Desc	Max Dry Density (pcf)	Min Compaction (%)	Optimum Water Content (%)	Water Content Range		Dry Density (pcf)	Percent Compaction (%)	Water Content (%)	Meets Proj. Specs? Compaction	Water Content	Test Pass	Re- test
1	08/15/2023	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		110.6	95	8.0	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	SD - Storm Drain			STA 1+20, Storm Plan Detail #4					D - Top of pipe				2.0			

Inspection Comments:

During the requested site visit, RMG performed compaction testing on storm drain backfill at the NE end of the detention pond, Storm Plan Detail #4. Compaction test results are presented in the attached report. Contractor was notified.

The tests were performed in general accordance with applicable ASTM and AASHTO test methods. Test results indicate the density at the specific depths and locations tested. We have relied on the contractor to apply the necessary compactive effort and moisture to achieve specified compaction during times when our observer is not present and at locations other than those tested. The test results may not be representative of all the fill placed.

WO # 188737

Client:
Colorado Springs Equities LLC
90 South Cascade Avenue, 1500
Colorado Springs, CO 80903

Project:
Crossroads Mixed Use

Report No: 20230816-A-APA

Testing Date: 08/16/23

Field Technician Adam Albertson

Field Test Results

	Test Date	Proctor No	Method	Proctor Desc	Max Dry Density (pcf)	Min Compaction (%)	Optimum Water Content (%)	Water Content Range		Dry Density (pcf)	Percent Compaction (%)	Water Content (%)	Meets Proj. Specs? Compaction	Water Content	Test Pass	Re- test
1	08/16/2023	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		114.3	98	9.2	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	SD - Storm Drain			25' E of forebay					D - Top of pipe				4.0			

Inspection Comments:

During the requested site visit, RMG performed compaction testing on the storm drain backfill, in the vicinity of Meadowbrook Parkway. Compaction results are presented in the attached report.

The tests were performed in general accordance with applicable ASTM and AASHTO test methods. Test results indicate the density at the specific depths and locations tested. We have relied on the contractor to apply the necessary compactive effort and moisture to achieve specified compaction during times when our observer is not present and at locations other than those tested. The test results may not be representative of all the fill placed.

WO # 188737

Client:
Colorado Springs Equities LLC
90 South Cascade Avenue, 1500
Colorado Springs, CO 80903

Project:
Crossroads Mixed Use

Report No: 20230822-A-DRS

Testing Date: 08/22/23

Field Technician David Sellon

Field Test Results

	Test Date	Proctor No	Method	Proctor Desc	Max Dry Density (pcf)	Min Compaction (%)	Optimum Water Content (%)	Water Content Range		Dry Density (pcf)	Percent Compaction (%)	Water Content (%)	Meets Proj. Specs? Compaction	Water Content	Test Pass	Re- test
1	08/22/2023	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		112.5	97	9.1	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	SD - Storm Drain			STA 2+00					A - Existing ground surface @ time of test				2.0			
2	08/22/2023	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		110.8	95	8.3	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	SD - Storm Drain			STA 2+50					A - Existing ground surface @ time of test				2.0			

Inspection Comments:

During the requested site visit, RMG performed compaction testing on the storm drain backfill, in the vicinity of Tract A. Compaction results are presented in the attached report. Contractor was notified.

The tests were performed in general accordance with applicable ASTM and AASHTO test methods. Test results indicate the density at the specific depths and locations tested. We have relied on the contractor to apply the necessary compactive effort and moisture to achieve specified compaction during times when our observer is not present and at locations other than those tested. The test results may not be representative of all the fill placed.

WO # 188737

Client: Colorado Springs Equities LLC
90 South Cascade Avenue, 1500
Colorado Springs, CO 80903

Project: Crossroads Mixed Use

Report No: 20230823-A-EUS

Testing Date: 08/23/23

Field Technician Edward Skelton

Field Test Results

	Test Date	Proctor No	Method	Proctor Desc	Max Dry Density (pcf)	Min Compaction (%)	Optimum Water Content (%)	Water Content Range		Dry Density (pcf)	Percent Compaction (%)	Water Content (%)	Meets Proj. Specs? Compaction	Water Content	Test Pass	Re- test
1	08/23/2023	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		97.7	84	6.1	N	N	N	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	SD - Storm Drain			STA 4+65					A - Existing ground surface @ time of test				0.0			
2	08/23/2023	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		109.9	95	8.2	Y	Y	Y	Y
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	SD - Storm Drain			Retest of #1					A - Existing ground surface @ time of test				0.0			

Inspection Comments:

During the requested site visit RMG performed compaction testing on the storm drain backfill, in the vicinity of Meadowbrook Parkway South. Onsite operator prepared a top test for storm drain testing, and technician observed crews installing storm drains. Technician referenced Crossroads Mixed Use Filing #1, Storm Sewer Plans, Sheet 16. Compaction results are presented in the attached report. Contractor was notified.

WO # 188737

Client:
Colorado Springs Equities LLC
90 South Cascade Avenue, 1500
Colorado Springs, CO 80903

Project:
Crossroads Mixed Use

Report No: 20230824-A-KMK

Testing Date: 08/24/23

Field Technician Kevin Keilman

Field Test Results

	Test Date	Proctor No	Method	Proctor Desc	Max Dry Density (pcf)	Min Compaction (%)	Optimum Water Content (%)	Water Content Range		Dry Density (pcf)	Percent Compaction (%)	Water Content (%)	Meets Proj. Specs? Compaction	Water Content	Test Pass	Re- test
1	08/24/2023	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		110.0	95	8.2	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	SD - Storm Drain			STA 1+98 (storm #4)					F - Finished ground surface				0.0			

Inspection Comments:

During the requested site visit, RMG performed compaction testing on the storm drain backfill, Storm #4, in the vicinity of the southwest corner of project. Compaction results are presented in the attached report. Contractor was notified.

WO # 188737

Client: Colorado Springs Equities LLC
90 South Cascade Avenue, 1500
Colorado Springs, CO 80903

Project: Crossroads Mixed Use

Report No: 20240214-A-KMK

Testing Date: 02/14/24

Field Technician Kevin Keilman

Field Test Results

	Test Date	Proctor No	Method	Proctor Desc	Max Dry Density (pcf)	Min Compaction (%)	Optimum Water Content (%)	Water Content Range		Dry Density (pcf)	Percent Compaction (%)	Water Content (%)	Meets Proj. Specs? Compaction	Water Content	Test Pass	Re- test
2	02/14/2024	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		109.9	95	8.1	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	MH - Manhole			STA 3+05 (Central Rail Point)					D - Top of pipe				4.0			
3	02/14/2024	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		110.2	95	8.1	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	MH - Manhole			STA 4+33 (Central Rail Point)					D - Top of pipe				4.0			

Inspection Comments:

During the requested site visit, RMG performed compaction testing on sewer main and manhole backfill, in the vicinity of Central Rail Point and Pacific Rail Point. Compaction test results are presented in the attached report. After technician review of previous reports, failing compaction tests along Central Rail Point (reported 2/8/24), and approximately 5-7' of backfill placed along Pacific Rail Point have not been tested or retested. Developer was notified.

WO # 188737

Client: Colorado Springs Equities LLC
90 South Cascade Avenue, 1500
Colorado Springs, CO 80903

Project: Crossroads Mixed Use

Report No: 20240215-A-DRS

Testing Date: 02/15/24

Field Technician David Sellon

Field Test Results

	Test Date	Proctor No	Method	Proctor Desc	Max Dry Density (pcf)	Min Compaction (%)	Optimum Water Content (%)	Water Content Range		Dry Density (pcf)	Percent Compaction (%)	Water Content (%)	Meets Proj. Specs? Compaction	Water Content	Test Pass	Re- test
4	02/15/2024	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		110.6	95	9.1	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	MH - Manhole			Central Rail Pt: STA 4+33.64					A - Existing ground surface @ time of test				2.0			

Inspection Comments:

During the requested site visit, RMG performed compaction testing on sewer main and manhole backfill, in the vicinity of Central Rail Pt. Compaction test results are presented in the attached report. Contractor was notified.

The tests were performed in general accordance with applicable ASTM and AASHTO test methods. Test results indicate the density at the specific depths and locations tested. We have relied on the contractor to apply the necessary compactive effort and moisture to achieve specified compaction during times when our observer is not present and at locations other than those tested. The test results may not be representative of all the fill placed.

WO # 188737

Client: Colorado Springs Equities LLC
90 South Cascade Avenue, 1500
Colorado Springs, CO 80903

Project: Crossroads Mixed Use

Report No: 20240215-B-DRS

Testing Date: 02/15/24

Field Technician David Sellon

Field Test Results

	Test Date	Proctor No	Method	Proctor Desc	Max Dry Density (pcf)	Min Compaction (%)	Optimum Water Content (%)	Water Content Range		Dry Density (pcf)	Percent Compaction (%)	Water Content (%)	Meets Proj. Specs? Compaction	Water Content	Test Pass	Re- test
5	02/15/2024	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		111.8	96	9.4	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	MH - Manhole			Pacific Rail Pt: STA 3+26.60 (MH-1)					A - Existing ground surface @ time of test				6.0			
6	02/15/2024	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		113.6	98	8.2	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	MH - Manhole			Pacific Rail Pt: STA 3+26.60 (MH-1)					A - Existing ground surface @ time of test				4.0			
7	02/15/2024	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		110.5	95	8.5	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	MH - Manhole			Pacific Rail Pt: STA 3+26.60 (MH-1)					A - Existing ground surface @ time of test				2.0			
8	02/15/2024	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		112.9	97	10.1	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	MH - Manhole			Pacific Rail Pt: STA 1+00 (MH-2)					A - Existing ground surface @ time of test				6.0			
9	02/15/2024	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		111.7	96	9.0	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	MH - Manhole			Pacific Rail Pt: STA 1+00 (MH-2)					A - Existing ground surface @ time of test				4.0			
10	02/15/2024	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		112.7	97	9.6	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	MH - Manhole			Pacific Rail Pt: STA 1+00 (MH-2)					A - Existing ground surface @ time of test				2.0			

The tests were performed in general accordance with applicable ASTM and AASHTO test methods. Test results indicate the density at the specific depths and locations tested. We have relied on the contractor to apply the necessary compactive effort and moisture to achieve specified compaction during times when our observer is not present and at locations other than those tested. The test results may not be representative of all the fill placed.

WO # 188737

Client: Colorado Springs Equities LLC
90 South Cascade Avenue, 1500
Colorado Springs, CO 80903

Project: Crossroads Mixed Use

Report No: 20240215-B-DRS

Testing Date: 02/15/24

Field Technician David Sellon

Inspection Comments:

During the requested site visit, RMG performed compaction testing on sewer main and manhole backfill, in the vicinity of Meadowbrook Pkwy. Tests 1 and 2 are retests of previously failed areas, tests 3 and 4 are additional tests on backfill placed at site visit, and tests 5 through 13 were performed in pot-holes on Pacific Rail Point, to evaluate previously placed fill that was untested and without observation. Compaction test results are presented in the attached report. Contractor was notified.

WO # 188737

Client: Colorado Springs Equities LLC
90 South Cascade Avenue, 1500
Colorado Springs, CO 80903

Project: Crossroads Mixed Use

Report No: 20240220-A-DRS

Testing Date: 02/20/24

Field Technician David Sellon

Field Test Results

	Test Date	Proctor No	Method	Proctor Desc	Max Dry Density (pcf)	Min Compaction (%)	Optimum Water Content (%)	Water Content Range		Dry Density (pcf)	Percent Compaction (%)	Water Content (%)	Meets Proj. Specs? Compaction	Water Content	Test Pass	Re- test
1	02/20/2024	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		112.4	97	8.9	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	MH - Manhole			Central Rail Pt: STA 3+05.21 (MH-4)					A - Existing ground surface @ time of test				6.0			
2	02/20/2024	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		114.0	98	8.0	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	MH - Manhole			Central Rail Pt: STA 3+05.21 (MH-4)					A - Existing ground surface @ time of test				4.0			

Inspection Comments:

During the requested site visit, RMG performed compaction testing on sewer main and manhole backfill, in the vicinity of Central Rail Point. Compaction test results are presented in the attached report. Contractor was notified.

WO # 188737

Client: Colorado Springs Equities LLC
90 South Cascade Avenue, 1500
Colorado Springs, CO 80903

Project: Crossroads Mixed Use

Report No: 20240227-A-DRS

Testing Date: 02/27/24

Field Technician David Sellon

Field Test Results

	Test Date	Proctor No	Method	Proctor Desc	Max Dry Density (pcf)	Min Compaction (%)	Optimum Water Content (%)	Water Content Range		Dry Density (pcf)	Percent Compaction (%)	Water Content (%)	Meets Proj. Specs? Compaction	Water Content	Test Pass	Re- test
2	02/27/2024	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		113.0	97	10.5	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	MH - Manhole			Central Rail Pt: STA 3+05.21 (MH-4)					A - Existing ground surface @ time of test				2.0			
3	02/27/2024	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		114.1	98	8.6	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	MH - Manhole			Central Rail Pt: STA 4+33.64 (MH-3)					A - Existing ground surface @ time of test				2.0			

Inspection Comments:

During the requested site visit, RMG performed compaction testing on sewer main and manhole backfill, in the vicinity of Central Rail Point. Compaction test results are presented in the attached report. Contractor was notified.

WO # 188737

Client: Colorado Springs Equities LLC
90 South Cascade Avenue, 1500
Colorado Springs, CO 80903

Project: Crossroads Mixed Use

Report No: 20240312-A-APA

Testing Date: 03/12/24

Field Technician Adam Albertson

Field Test Results

	Test Date	Proctor No	Method	Proctor Desc	Max Dry Density (pcf)	Min Compaction (%)	Optimum Water Content (%)	Water Content Range		Dry Density (pcf)	Percent Compaction (%)	Water Content (%)	Meets Proj. Specs? Compaction	Water Content	Test Pass	Re- test
1	03/12/2024	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		112.6	97	8.9	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	SD - Storm Drain			STA 2+75, Central Rail Point (centerline)					D - Top of pipe				4.0			
2	03/12/2024	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		110.0	95	8.6	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	SD - Storm Drain			STA 2+00, Central Rail Point (centerline)					D - Top of pipe				2.0			

Inspection Comments:

During the requested site visit, RMG performed compaction testing on storm drain backfill, in the vicinity of Meadowbrook Parkway. Compaction test results are presented in the attached report. Contractor was notified.

WO # 188737

Client:
Colorado Springs Equities LLC
90 South Cascade Avenue, 1500
Colorado Springs, CO 80903

Project:
Crossroads Mixed Use

Report No: 20240313-A-EUS

Testing Date: 03/13/24

Field Technician Edward Skelton

Field Test Results

	Test Date	Proctor No	Method	Proctor Desc	Max Dry Density (pcf)	Min Compaction (%)	Optimum Water Content (%)	Water Content Range		Dry Density (pcf)	Percent Compaction (%)	Water Content (%)	Meets Proj. Specs? Compaction	Water Content	Test Pass	Re- test
1	03/13/2024	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		112.7	97	8.5	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	SD - Storm Drain			STA 2+50, Central Rail Point					F - Finished ground surface				0.0			
2	03/13/2024	1	ASTM D-1557	SM-Silty Sand	116.1	95	10.0	2 / -2		113.7	98	9.6	Y	Y	Y	N
	Test Type			**Location**					**Elevation Datum**				**Test Depth (ft)**			
	SD - Storm Drain			STA 3+25, Central Rail Point					F - Finished ground surface				0.0			

Inspection Comments:

During the requested site visit, RMG performed compaction testing on storm drain.

The tests were performed in general accordance with applicable ASTM and AASHTO test methods. Test results indicate the density at the specific depths and locations tested. We have relied on the contractor to apply the necessary compactive effort and moisture to achieve specified compaction during times when our observer is not present and at locations other than those tested. The test results may not be representative of all the fill placed.