

Lincoln Professional Plaza SUB21-055

Test Reports & Inspections

Asphalt



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Bituminous Density

Report Date: 08/19/2024
Test Method:

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results															
Test #	Retest Of	Test Date	Test Location	Material	Mix Design	Thickness (in)	Max Density (pcf)	Max Density Source	In Place Density (pcf)	Probe Depth (in)	Percent Comp.	Min/Max Comp. (%)	Remark	Gauge SN	Technician
1		07/16/24	25 - Asphalt - Roadway: Shared access lane paving at Private Drive off of Lincoln Ave, test SB lane approx 6' south of Lincoln Ave	Bottom Lift		3	154.1	Supplied Value	146.1	Backscatter	95	92 / 96		2133	Elizabeth Beierle
2		07/16/24	25 - Asphalt - Roadway: Shared access lane paving at Private Drive off of Lincoln Ave, test NB lane approx 15' south of Lincoln Ave	Bottom Lift		3	154.1	Supplied Value	145.0	Backscatter	94	92 / 96		2133	Elizabeth Beierle
3		07/16/24	25 - Asphalt - Roadway: Shared access lane paving at Private Drive off of Lincoln Ave, test EB lane approx 25' south of fire hydrant	Bottom Lift		4	154.1	Supplied Value	144.9	Backscatter	94	92 / 96		2133	Elizabeth Beierle
4		07/16/24	25 - Asphalt - Roadway: Shared access lane paving at Private Drive off of Lincoln Ave, test WB lane approx 8' west of existing asphalt	Bottom Lift		4	154.1	Supplied Value	145.2	Backscatter	94	92 / 96		2133	Elizabeth Beierle
5		07/16/24	25 - Asphalt - Roadway: Shared access lane paving at Private Drive off of Lincoln Ave, test NB lane approx 10' south of Lincoln Ave	Middle Lift		3	154.1	Supplied Value	144.6	Backscatter	94	92 / 96		2133	Elizabeth Beierle
6		07/16/24	25 - Asphalt - Roadway: Shared access lane paving at Private Drive off of Lincoln Ave, test SB lane approx 10' south of Lincoln Ave	Middle Lift		3	154.1	Supplied Value	146.0	Backscatter	95	92 / 96		2133	Elizabeth Beierle

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call base. The test elevations and locations are approximate and are based upon information provided by the Contractor. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary comparative effort to meet the project specifications.



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7		07/16/24	25 - Asphalt - Roadway: Shared access lane paving at Private Drive off of Lincoln Ave, test SB lane approx 8' south of Lincoln	Top Lift		3	154.8	Supplied Value	145.3	Backscatter	94	92 / 96		2133	Elizabeth Beierle
8		07/16/24	25 - Asphalt - Roadway: Shared access lane paving at Private Drive off of Lincoln Ave, test EB lane at curve in lane	Top Lift		2	154.8	Supplied Value	144.3	Backscatter	93	92 / 96		2133	Elizabeth Beierle
9		07/16/24	25 - Asphalt - Roadway: Shared access lane paving at Private Drive off of Lincoln Ave, test WB lane approx 10' west of existing asphalt	Top Lift		2	154.8	Supplied Value	143.9	Backscatter	93	92 / 96		2133	Elizabeth Beierle
Remarks								Comments							
								Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter"							
Gauge Information															
Gauge SN	Make	Model	Density Count	Moisture Count	Standard Count Date		Last Calibration Date		Last Calibrated By						
2133	Instrotek	Explorer 3500	2760	403	07/16/24		03/06/23		Instrotek						

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Cole Garner Geotechnical
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Bituminous Density

Report Date: 10/04/2024

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3400 College Boulevard
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Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
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Test Results

Test #	Retest Of	Test Date	Test Location	Material	Mix Design	Thickness (in)	Max Density (pcf)	Max Density Source	In Place Density (pcf)	Probe Depth (in)	Percent Comp.	Min/Max Comp. (%)	Remark	Gauge SN	Technician
56		09/26/24	25 - Asphalt - Roadway: 90' patch along southbound Dransfeldt road, test at approximately 70' south of entrance to car wash, western lane	Bottom Lift	4008524 S	4	157.2	Supplied Value	147.4	Backscatter	94	92 / 96		2016	Andrew Calogero
57		09/26/24	25 - Asphalt - Roadway: 90' patch along southbound Dransfeldt road, test at approximately 70' south of entrance to car wash, eastern lane	Bottom Lift	4008524 S	4	157.2	Supplied Value	146.8	Backscatter	93	92 / 96		2016	Andrew Calogero
58		09/26/24	25 - Asphalt - Roadway: 66' patch along southbound Dransfeldt Road (pie shape), test at approximately 55' north of entrance to Lowe's (1st entrance south of the car wash entrance)	Bottom Lift	4008524 S	4	157.2	Supplied Value	148.5	Backscatter	94	92 / 96		2016	Andrew Calogero
59		09/26/24	25 - Asphalt - Roadway: Drive lane patch at eastbound lane of exit from car wash, approximately 20' west of Dransfeldt Road	Bottom Lift	4008524 S	4	157.2	Supplied Value	145.3	Backscatter	92	92 / 96		2016	Andrew Calogero
60		09/26/24	25 - Asphalt - Roadway: 66' patch along southbound Dransfeldt Road (pie shape), test at approximately 50' north of entrance to Lowe's (1st entrance south of the car wash entrance)	Middle Lift	4001324 L	3	155.0	Supplied Value	144.3	Backscatter	93	92 / 96		2016	Andrew Calogero

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Test #	Retest Of	Test Date	Test Location	Material	Mix Design	Thickness (in)	Max Density (pcf)	Max Density Source	In Place Density (pcf)	Probe Depth (in)	Percent Comp.	Min/Max Comp. (%)	Remark	Gauge SN	Technician
61		09/26/24	25 - Asphalt - Roadway: 90' patch along southbound Dransfeldt Road, test at approximately 70' south of entrance to car wash, western lane	Middle Lift	4001324 L	3	155.0	Supplied Value	143.4	Backscatter	93	92 / 96		2016	Andrew Calogero
62		09/26/24	25 - Asphalt - Roadway: 90' patch along southbound Dransfeldt Road, test at approximately 40' south of entrance to car wash, eastern lane	Middle Lift	4001324 L	3	155.0	Supplied Value	145.7	Backscatter	94	92 / 96		2016	Andrew Calogero
63		09/26/24	25 - Asphalt - Roadway: Drive lane patch at eastbound lane of exit from car wash, approximately 20' west of Dransfeldt Road	Middle Lift	4001324 L	3	155.0	Supplied Value	144.1	Backscatter	93	92 / 96		2016	Andrew Calogero
64		09/27/24	25 - Asphalt - Roadway: Drive lane patch at Southbound Lane of Dransfeldt, Approximately 70' South of Intersection of Dransfeldt and Private Road A	Top Lift	4005324 L	2	153.9	Supplied Value	141.7	Backscatter	92	92 / 96		1986	Stephen Matthis
65		09/27/24	25 - Asphalt - Roadway: Drive lane patch at Southbound Lane of Dransfeldt, Approximately 60' South of Intersection of Dransfeldt and Private Road A	Top Lift	4005324 L	2	153.9	Supplied Value	144.6	Backscatter	94	92 / 96		1986	Stephen Matthis

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66		09/27/24	25 - Asphalt - Roadway: Drive lane patch at Southbound Lane of Dransfeldt, Approximately 20' South of Intersection of Dransfeldt and Private Road A	Top Lift	4005324 L	2	153.9	Supplied Value	142.7	Backscatter	93	92 / 96		1986	Stephen Matthis
67		09/27/24	25 - Asphalt - Roadway: Drive lane patch at Southbound Lane of Dransfeldt, Approximately 25' South of Intersection of Dransfeldt and Private Road A	Top Lift	4005324 L	2	153.9	Supplied Value	145.6	Backscatter	95	92 / 96		1986	Stephen Matthis

Remarks

Comments

Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter"

Gauge Information

Gauge SN	Make	Model	Density Count	Moisture Count	Standard Count Date	Last Calibration Date	Last Calibrated By
1986	Instrotek	Explorer 3500	2678	459	09/27/24	11/04/22	Instrotek
2016	Instrotek	Explorer 3500	2610	416	09/26/24	03/14/23	Instrotek

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41		09/11/24	25 - Asphalt - Roadway: Southbound Dransfeldt Road approximately 0-250' South of Lincoln Ave., test approximately 20' South	Bottom Lift	4008524 S	4	156.3	Supplied Value	147.2	Backscatter	94	92 / 96		1899	Tommie Kelly Huff
42		09/11/24	25 - Asphalt - Roadway: Southbound Dransfeldt Road approximately 0-250' South of Lincoln Ave., test approximately 110' South	Bottom Lift	4008524 S	4	156.3	Supplied Value	146.0	Backscatter	93	92 / 96		1899	Tommie Kelly Huff
43		09/11/24	25 - Asphalt - Roadway: Southbound Dransfeldt Road approximately 0-250' South of Lincoln Ave., test approximately 220' South	Bottom Lift	4008524 S	4	156.3	Supplied Value	144.4	Backscatter	92	92 / 96		1899	Tommie Kelly Huff
44		09/11/24	25 - Asphalt - Roadway: Southbound Dransfeldt Road approximately 20-125' South of NE corner of Lowes, test approximately 40' South	Bottom Lift	4008524 S	4	156.3	Supplied Value	145.8	Backscatter	93	92 / 96		1899	Tommie Kelly Huff
45		09/11/24	25 - Asphalt - Roadway: Southbound Dransfeldt Road approximately 20-125' South of NE corner of Lowes, test approximately 100' South	Bottom Lift	4008524 S	4	156.3	Supplied Value	147.8	Backscatter	95	92 / 96		1899	Tommie Kelly Huff
46		09/11/24	25 - Asphalt - Roadway: Southbound Dransfeldt Road approximately 20-125' South of NE corner of Lowes, test approximately 35' South	Middle Lift	4001324 L	3	154.4	Supplied Value	144.2	Backscatter	93	92 / 96		1899	Tommie Kelly Huff

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47		09/11/24	25 - Asphalt - Roadway: Southbound Dransfeldt Road approximately 20-125' South of NE corner of Lowes, test approximately 115' South	Middle Lift	4001324 L	3	154.4	Supplied Value	146.9	Backscatter	95	92 / 96		1899	Tommie Kelly Huff
48		09/11/24	25 - Asphalt - Roadway: Southbound Dransfeldt Road approximately 0-250' South of Lincoln Ave, test approximately 15' South	Middle Lift	4001324 L	3	154.4	Supplied Value	142.4	Backscatter	92	92 / 96		1899	Tommie Kelly Huff
49		09/11/24	25 - Asphalt - Roadway: Southbound Dransfeldt Road approximately 0-250' South of Lincoln Ave, test approximately 130' South	Middle Lift	4001324 L	3	154.4	Supplied Value	146.4	Backscatter	95	92 / 96		1899	Tommie Kelly Huff
50		09/11/24	25 - Asphalt - Roadway: Southbound Dransfeldt Road approximately 0-250' South of Lincoln Ave, test approximately 200' South	Middle Lift	4001324 L	3	154.4	Supplied Value	145.7	Backscatter	94	92 / 96		1899	Tommie Kelly Huff
51		09/11/24	25 - Asphalt - Roadway: Southbound Dransfeldt Road approximately 0-250' South of Lincoln Ave, test approximately 20' South	Top Lift	4005324 L	2	153.7	Supplied Value	144.2	Backscatter	94	92 / 96		1899	Tommie Kelly Huff
52		09/11/24	25 - Asphalt - Roadway: Southbound Dransfeldt Road approximately 0-250' South of Lincoln Ave, test approximately 130' South	Top Lift	4005324 L	2	153.7	Supplied Value	142.6	Backscatter	93	92 / 96		1899	Tommie Kelly Huff

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53		09/11/24	25 - Asphalt - Roadway: Southbound Dransfeldt Road approximately 0-250' South of Lincoln Ave, test approximately 215' South	Top Lift	4005324 L	2	153.7	Supplied Value	142.9	Backscatter	93	92 / 96		1899	Tommie Kelly Huff
54		09/11/24	25 - Asphalt - Roadway: Southbound Dransfeldt Road approximately 20-125' South of NE corner of Lowes, test approximately 30' South	Top Lift	4005324 L	2	153.7	Supplied Value	141.8	Backscatter	92	92 / 96		1899	Tommie Kelly Huff
55		09/11/24	25 - Asphalt - Roadway: Southbound Dransfeldt Road approximately 20-125' South of NE corner of Lowes, test approximately 100' South	Top Lift	4005324 L	2	153.7	Supplied Value	142.2	Backscatter	93	92 / 96		1899	Tommie Kelly Huff

Remarks

Comments

Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter"

Gauge Information

Gauge SN	Make	Model	Density Count	Moisture Count	Standard Count Date	Last Calibration Date	Last Calibrated By
1899	Instrotek	Explorer 3500	2685	415	09/11/24	05/04/23	Instrotek

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10		08/23/24	25 - Asphalt - Roadway: Private Road A & B; Private Road B, SB DL Approx 60' S of N side of Roadway	Top Lift	4005324 L		154.1	Supplied Value	142.9	Backscatter	93	92 / 96		31235	Phil Aranda
11		08/23/24	25 - Asphalt - Roadway: Private Road A & B; Private Road B, SB DL Approx 30' N of Private Road A	Top Lift	4005324 L		154.1	Supplied Value	145.2	Backscatter	94	92 / 96		31235	Phil Aranda
12		08/23/24	25 - Asphalt - Roadway: Private Road A & B; Private Road B, NB DL Approx 15' S of Inlet F2	Top Lift	4005324 L		154.1	Supplied Value	142.1	Backscatter	92	92 / 96		31235	Phil Aranda
13		08/23/24	25 - Asphalt - Roadway: Private Road A & B; Private Road B, NB DL Approx 40' N of Inlet F2	Top Lift	4005324 L		154.1	Supplied Value	146.5	Backscatter	95	92 / 96		31235	Phil Aranda
14		08/23/24	25 - Asphalt - Roadway: Private Road A & B; Private Road B, NB DL Approx 15' N of Inlet D2	Top Lift	4005324 L		154.1	Supplied Value	144.1	Backscatter	94	92 / 96		31235	Phil Aranda
15		08/23/24	25 - Asphalt - Roadway: Private Road A & B; Private Road B, SB DL Approx 10' S of Inlet D3	Top Lift	4005324 L		154.1	Supplied Value	144.5	Backscatter	94	92 / 96		31235	Phil Aranda
16		08/23/24	25 - Asphalt - Roadway: Private Road A & B; Private Road A, WB DL Approx 40' W of E side of Roadway	Top Lift	4005324 L		154.1	Supplied Value	143.3	Backscatter	93	92 / 96		31235	Phil Aranda
17		08/23/24	25 - Asphalt - Roadway: Private Road A & B; Private Road A, EB DL Approx 70' E of Private Road B	Top Lift	4005324 L		154.1	Supplied Value	143.6	Backscatter	93	92 / 96		31235	Phil Aranda

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18		08/23/24	25 - Asphalt - Roadway: Private Road A & B; Private Road A, WB DL Approx 10' W of Private Road B	Top Lift	4005324 L		154.1	Supplied Value	146.3	Backscatter	95	92 / 96		31235	Phil Aranda
19		08/23/24	25 - Asphalt - Roadway: Private Road A & B; Private Road A, EB DL at Intersection with Private Road B	Top Lift	4005324 L		154.1	Supplied Value	144.8	Backscatter	94	92 / 96		31235	Phil Aranda
20		08/23/24	25 - Asphalt - Roadway: Private Road A & B; Private Road A, WB DL, Approx 30' W of Intersection with Private Road B	Top Lift	4005324 L		154.1	Supplied Value	142.6	Backscatter	93	92 / 96		31235	Phil Aranda
21		08/23/24	25 - Asphalt - Roadway: Private Road A & B; Private Road A, EB DL, Approx N side of manhole A5	Top Lift	4005324 L		154.1	Supplied Value	142.8	Backscatter	93	92 / 96		31235	Phil Aranda
22		08/23/24	25 - Asphalt - Roadway: Private Road A & B; Private Road A, WB DL, Approx 180' W of Inlet A4	Top Lift	4005324 L		154.1	Supplied Value	141.7	Backscatter	92	92 / 96		31235	Phil Aranda
23		08/23/24	25 - Asphalt - Roadway: Private Road A & B; Private Road A, EB DL, Approx 20' E of Inlet C1	Top Lift	4005324 L		154.1	Supplied Value	142.8	Backscatter	93	92 / 96		31235	Phil Aranda
24		08/23/24	25 - Asphalt - Roadway: Private Road A & B; Private Road A, WB DL, Approx 15' W of Inlet A4	Top Lift	4005324 L		154.1	Supplied Value	141.3	Backscatter	92	92 / 96		31235	Phil Aranda

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25		08/23/24	25 - Asphalt - Roadway: Private Road A & B; Private Road A, EB DL, Approx 15' E of Manhole A3	Top Lift	4005324 L		154.1	Supplied Value	142.7	Backscatter	93	92 / 96		31235	Phil Aranda
26		08/23/24	25 - Asphalt - Roadway: Private Road A & B; Private Road A, WB DL, Approx 5' E of Inlet A2	Top Lift	4005324 L		154.1	Supplied Value	143.0	Backscatter	93	92 / 96		31235	Phil Aranda
27		08/23/24	25 - Asphalt - Roadway: Private Road A & B; Private Road A, EB DL, Approx center of Detention pond	Top Lift	4005324 L		154.1	Supplied Value	146.9	Backscatter	95	92 / 96		31235	Phil Aranda
28		08/23/24	25 - Asphalt - Roadway: Private Road A & B; Private Road A, WB DL, Approx 20' W of center of detention pond	Top Lift	4005324 L		154.1	Supplied Value	142.1	Backscatter	92	92 / 96		31235	Phil Aranda
29		08/22/24	25 - Asphalt - Roadway: Asphalt at Road B between Lots 2 and 3. Tested SB Lane east of Lot 2	Bottom Lift		3	156.8	Supplied Value	146.3	Backscatter	93	92 / 96		24405	Anthony Bath
30		08/22/24	25 - Asphalt - Roadway: Asphalt at Road B between Lots 2 and 3. Tested SB Lane east of Lot 2	Bottom Lift		3	156.8	Supplied Value	145.4	Backscatter	93	92 / 96		24405	Anthony Bath
31		08/22/24	25 - Asphalt - Roadway: Asphalt at Road B between Lots 2 and 3. Tested NB Lane east of Lot 2	Bottom Lift		3	156.8	Supplied Value	145.5	Backscatter	93	92 / 96		24405	Anthony Bath

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call base. The test elevations and locations are approximate and are based upon information provided by the Contractor. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary comparative effort to meet the project specifications.



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminister, CO 80234
Phone: 303.996.2999

Bituminous Density

Report Date: 08/30/2024
Test Method:

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results

Test #	Retest Of	Test Date	Test Location	Material	Mix Design	Thickness (in)	Max Density (pcf)	Max Density Source	In Place Density (pcf)	Probe Depth (in)	Percent Comp.	Min/Max Comp. (%)	Remark	Gauge SN	Technician
32		08/22/24	25 - Asphalt - Roadway: Asphalt at Road B between Lots 2 and 3. Tested NB Lane east of Lot 2	Bottom Lift		3	156.8	Supplied Value	147.6	Backscatter	94	92 / 96		24405	Anthony Bath
33		08/22/24	25 - Asphalt - Roadway: Asphalt at Road B between Lots 5 and 6. Tested NB Lane east of Lot 5	Bottom Lift		3	156.8	Supplied Value	146.0	Backscatter	93	92 / 96		24405	Anthony Bath
34		08/22/24	25 - Asphalt - Roadway: Asphalt at Road B between Lots 5 and 6. Tested NB Lane east of Lot 5	Bottom Lift		3	156.8	Supplied Value	144.9	Backscatter	92	92 / 96		24405	Anthony Bath
35		08/22/24	25 - Asphalt - Roadway: Asphalt at Road B between Lots 5 and 6. Tested SB Lane east of Lot 5	Bottom Lift		3	156.8	Supplied Value	143.8	Backscatter	92	92 / 96		24405	Anthony Bath
36		08/22/24	25 - Asphalt - Roadway: Asphalt at Road B between Lots 5 and 6. Tested SB Lane east of Lot 5	Bottom Lift		3	156.8	Supplied Value	148.0	Backscatter	94	92 / 96		24405	Anthony Bath
37		08/22/24	25 - Asphalt - Roadway: Asphalt at Road A between Lots 3 and 6. Tested WB Lane south of Lot 3	Bottom Lift		3	156.8	Supplied Value	144.8	Backscatter	92	92 / 96		24405	Anthony Bath
38		08/22/24	25 - Asphalt - Roadway: Asphalt at Road A between Lots 3 and 6. Tested WB Lane south of Lot 3	Bottom Lift		3	156.8	Supplied Value	144.9	Backscatter	92	92 / 96		24405	Anthony Bath

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call base. The test elevations and locations are approximate and are based upon information provided by the Contractor. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary comparative effort to meet the project specifications.



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
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Phone: 303.996.2999

Bituminous Density

Report Date: 08/30/2024

Test Method:

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results

Test #	Retest Of	Test Date	Test Location	Material	Mix Design	Thickness (in)	Max Density (pcf)	Max Density Source	In Place Density (pcf)	Probe Depth (in)	Percent Comp.	Min/Max Comp. (%)	Remark	Gauge SN	Technician
39		08/22/24	25 - Asphalt - Roadway: Asphalt at Road A between Lots 3 and 6. Tested EB Lane south of Lot 3	Bottom Lift		3	156.8	Supplied Value	145.7	Backscatter	93	92 / 96		24405	Anthony Bath
40		08/22/24	25 - Asphalt - Roadway: Asphalt at Road A between Lots 3 and 6. Tested EB Lane south of Lot 3	Bottom Lift		3	156.8	Supplied Value	146.6	Backscatter	93	92 / 96		24405	Anthony Bath

Remarks

Comments

Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter"

Gauge Information

Gauge SN	Make	Model	Density Count	Moisture Count	Standard Count Date	Last Calibration Date	Last Calibrated By
24405	Troxler	3440	1480	630	08/22/24	04/25/23	Instrotek
31235	Troxler	3440	2201	652	08/23/24	03/24/23	Instrotek

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call base. The test elevations and locations are approximate and are based upon information provided by the Contractor. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary comparative effort to meet the project specifications.

Compaction

COMPACTION TEST REPORT

Curve No.: 7708

Date: 7.22.2024

Project No.: 23.23.159

Project: Dransfeldt & Lincoln

Client: Plaza Street Fund 106, LLC

Location: Southbound Dransfeldt Lane Widening, South of Lincoln

Sample Number: 7708

Remarks:

MATERIAL DESCRIPTION

Description: Southbound Dransfeldt Lane Widening, South of Lincoln

Classifications -

USCS:

AASHTO: AAC-2-4

Nat. Moist. = 2.6 %

Sp.G. =

Liquid Limit = 29

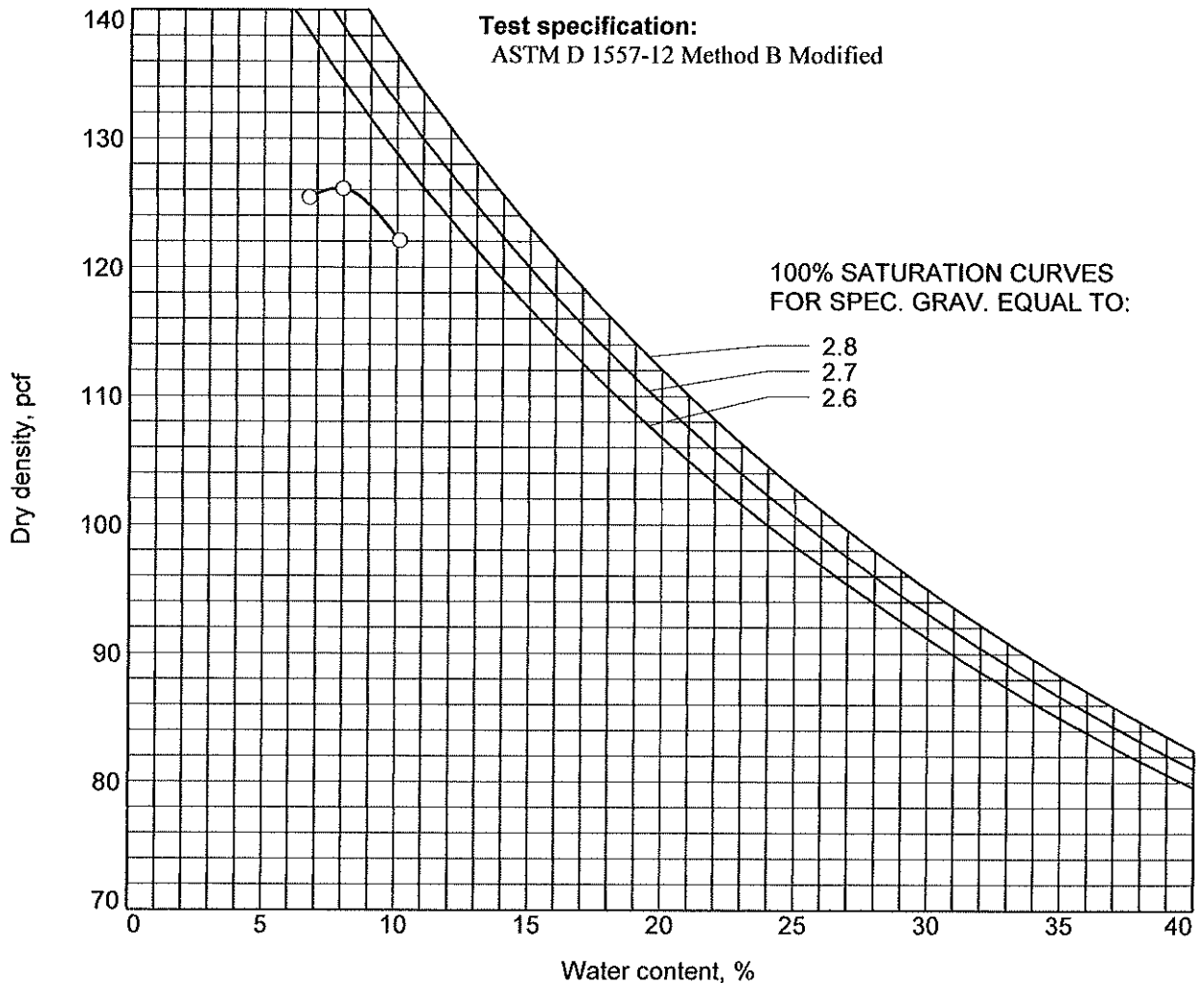
Plasticity Index = 9

% < No.200 = 24.9 %

TEST RESULTS

Maximum dry density = 126.1 pcf

Optimum moisture = 7.8 %



Cole Garner Geotechnical

Figure

Tested By: AC

Checked By: SM

COMPACTION TEST REPORT

Curve No.: 7648

Date: 6.26.2024

Project No.: 23.23.159

Project: Dransfeldt & Lincoln

Client: Plaza Street Fund 106, LLC

Location: Import from Florida Ave & Acoma St

Sample Number: 7648

Remarks:

MATERIAL DESCRIPTION

Description: Import from Florida Ave & Acoma St

Classifications -

USCS:

AASHTO: A-1-b

Nat. Moist. = 4.0 %

Sp.G. =

Liquid Limit = 0

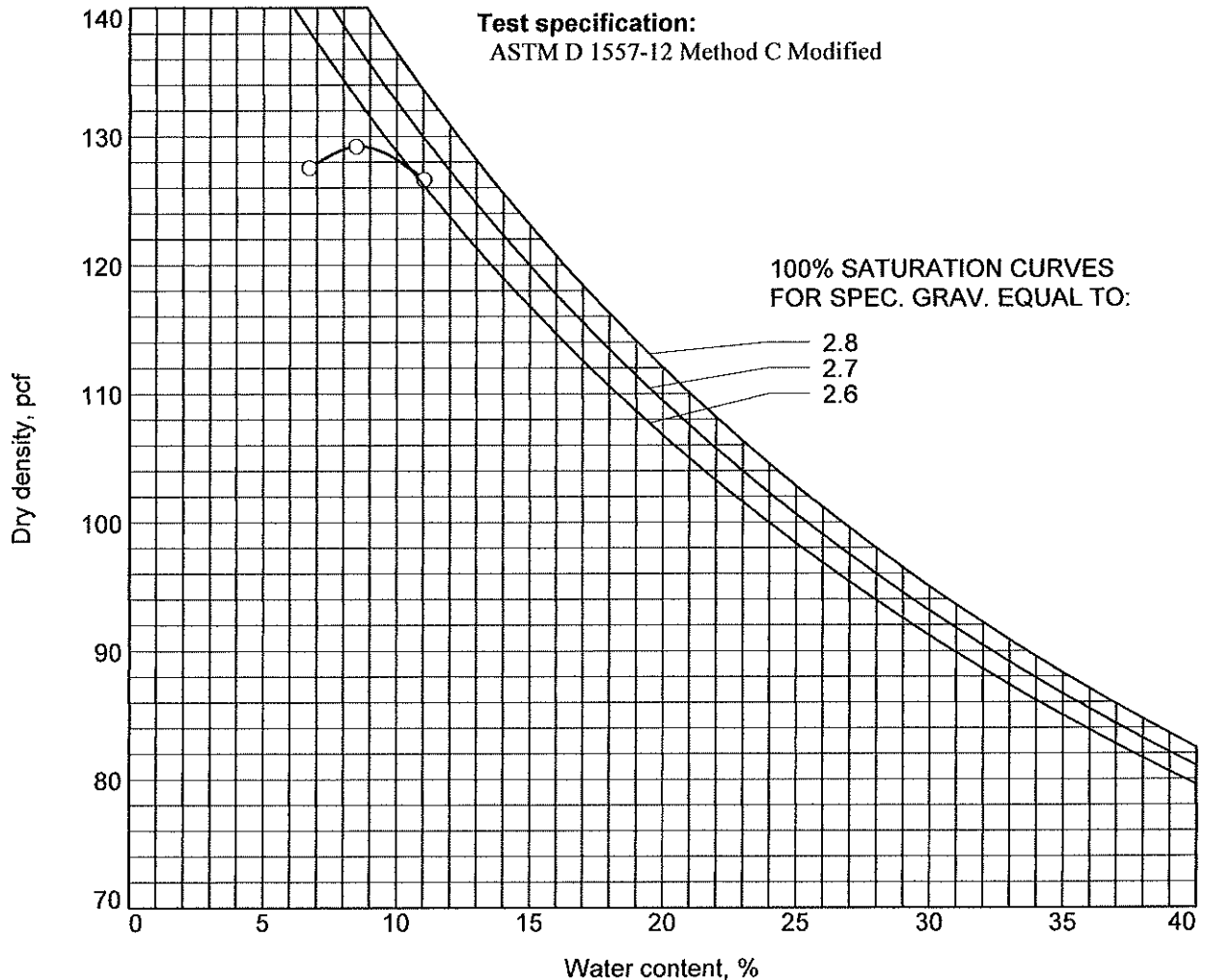
Plasticity Index = 0

% < No.200 = 18.5 %

TEST RESULTS

Maximum dry density = 129.2 pcf

Optimum moisture = 8.6 %



Figure

Cole Garner Geotechnical

Tested By: Contractor

Checked By: SM

Soil Nuclear Gauge



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Soil Nuclear Gauge

Report Date: 01/18/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
1		11/10/23	7336	A	A-4	13.3	115.7	12.2	116.8	131.0	8	101	95 / 105	Pass
2		11/10/23	7336	A	A-4	13.3	115.7	13.1	113.0	127.8	8	98	95 / 105	Pass
3		11/10/23	7336	A	A-4	13.3	115.7	12.3	112.9	126.8	8	98	95 / 105	Pass
4		11/10/23	7336	A	A-4	13.3	115.7	13.4	114.1	129.4	8	99	95 / 105	Pass
5		11/13/23	7336	A	A-4	13.3	115.7	12.6	115.2	129.7	8	100	95 / 105	Pass
6		11/13/23	7336	A	A-4	13.3	115.7	12.3	114.2	128.2	8	99	95 / 105	Pass
7		11/13/23	7336	A	A-4	13.3	115.7	12.4	114.4	128.6	8	99	95 / 105	Pass
8		11/13/23	7336	A	A-4	13.3	115.7	11.9	115.0	128.7	8	99	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
1	20 - Overlot Fill: Drainage ditch along Lincoln Avenue, 50' west of drive lane to Walgreens						1.5	Bottom of fill	Instrotek / Explorer 3500 / 1986 / 05/05/2021			Andrew Calogero		
2	20 - Overlot Fill: Drainage ditch along Lincoln Avenue, 80' west of drive lane to Walgreens						3.0	Bottom of fill	Instrotek / Explorer 3500 / 1986 / 05/05/2021			Andrew Calogero		
3	20 - Overlot Fill: Center, east side of Lot 3						1.0	Bottom of fill	Instrotek / Explorer 3500 / 1986 / 05/05/2021			Andrew Calogero		
4	20 - Overlot Fill: Center of Lot 3						1.0	Bottom of fill	Instrotek / Explorer 3500 / 1986 / 05/05/2021			Andrew Calogero		
5	20 - Overlot Fill: Drainage Ditch Along South Side of Lincoln Ave, 400' East of Lincoln & Dransfeldt						-1.0	Rough Final Grade	Instrotek / Explorer 3500 / 1986 / 05/05/2021			Stephen Matthis		
6	20 - Overlot Fill: Drainage Ditch Along South Side of Lincoln Ave, 300' East of Lincoln & Dransfeldt						-1.0	Rough Final Grade	Instrotek / Explorer 3500 / 1986 / 05/05/2021			Stephen Matthis		
7	20 - Overlot Fill: Drainage Ditch Along South Side of Lincoln Ave, 200' East of Lincoln & Dransfeldt						-4.0	Rough Final Grade	Instrotek / Explorer 3500 / 1986 / 05/05/2021			Stephen Matthis		
8	20 - Overlot Fill: Drainage Ditch Along South Side of Lincoln Ave, 100' East of Lincoln & Dransfeldt						-4.0	Rough Final Grade	Instrotek / Explorer 3500 / 1986 / 05/05/2021			Stephen Matthis		
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call base. The test elevations and locations are approximate and are based upon information provided by the Contractor. The lateral and vertical extents of any subexcavation were not measured or verified by this firm. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary comparative effort and moisture conditioning to meet the project specifications.



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminister, CO 80234
Phone: 303.996.2999

Soil Nuclear Gauge

Report Date: 01/18/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
9		11/14/23	7317	A	A-6	15.7	108.4	16.2	103.7	120.5	8	96	95 / 105	Pass
10		11/14/23	7317	A	A-6	15.7	108.4	15.7	105.2	121.7	8	97	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
9	20 - Overlot Fill: Drainage ditch along Lincoln Avenue, approximately 130' east of Dransfeldt Road						-2.0	Rough Final Grade	Instrotek / Explorer 3500 / 1986 / 05/05/2021			Andrew Calogero		
10	20 - Overlot Fill: Drainage ditch along Lincoln Avenue, approximately 80' east of Dransfeldt Road						-1.5	Rough Final Grade	Instrotek / Explorer 3500 / 1986 / 05/05/2021			Andrew Calogero		
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call base. The test elevations and locations are approximate and are based upon information provided by the Contractor. The lateral and vertical extents of any subexcavation were not measured or verified by this firm. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary comparative effort and moisture conditioning to meet the project specifications.



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Soil Nuclear Gauge

Report Date: 02/28/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
11		02/23/24	7336	A	A-4	13.3	115.7	13.2	119.0	134.7	8	103	95 / 105	Pass
12		02/23/24	7336	A	A-4	13.3	115.7	12.4	116.8	131.3	8	101	95 / 105	Pass
13		02/23/24	7336	A	A-4	13.3	115.7	13.1	116.9	132.2	8	101	95 / 105	Pass
14		02/23/24	7336	A	A-4	13.3	115.7	13.4	118.2	134.0	8	102	95 / 105	Pass
15		02/23/24	7336	A	A-4	13.3	115.7	11.8	117.2	131.0	8	101	95 / 105	Pass
16		02/23/24	7336	A	A-4	13.3	115.7	11.9	116.8	130.7	8	101	95 / 105	Pass
17		02/23/24	7336	A	A-4	13.3	115.7	11.6	117.1	130.7	8	101	95 / 105	Pass
18		02/23/24	7336	A	A-4	13.3	115.7	11.4	118.3	131.8	8	102	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
11	23 - Utility Backfill - Storm Sewer: Storm line E backfill, test at approx STA 2+60						-4.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 05/04/2021			Elizabeth Beierle		
12	23 - Utility Backfill - Storm Sewer: Storm line E backfill, test at approx STA 2+80						-5.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 05/04/2021			Elizabeth Beierle		
13	23 - Utility Backfill - Storm Sewer: Storm line E backfill, test at approx STA 2+50						-3.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 05/04/2021			Elizabeth Beierle		
14	23 - Utility Backfill - Storm Sewer: Storm line E backfill, test at approx STA 2+40						-2.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 05/04/2021			Elizabeth Beierle		
15	23 - Utility Backfill - Storm Sewer: Storm line E backfill, test at approx STA 2+40						-1.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 05/04/2021			Elizabeth Beierle		
16	23 - Utility Backfill - Storm Sewer: Storm line E backfill, test at approx STA 2+40						0.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 05/04/2021			Elizabeth Beierle		
17	23 - Utility Backfill - Storm Sewer: Storm line E backfill, test at approx STA 2+00						-1.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 05/04/2021			Elizabeth Beierle		
18	23 - Utility Backfill - Storm Sewer: Storm line E backfill, test at approx STA 1+90						-2.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 05/04/2021			Elizabeth Beierle		
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call base. The test elevations and locations are approximate and are based upon information provided by the Contractor. The lateral and vertical extents of any subexcavation were not measured or verified by this firm. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary comparative effort and moisture conditioning to meet the project specifications.



Cole Garner Geotechnical
1070 West 124th Ave
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Phone: 303.996.2999

Soil Nuclear Gauge

Report Date: 02/28/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
19		02/23/24	7336	A	A-4	13.3	115.7	11.4	119.8	133.5	8	104	95 / 105	Pass
20		02/23/24	7336	A	A-4	13.3	115.7	11.5	119.1	132.8	8	103	95 / 105	Pass
21		02/23/24	7336	A	A-4	13.3	115.7	11.9	118.7	132.8	8	103	95 / 105	Pass
22		02/19/24	7336	A	A-4	13.3	115.7	14.6	112.2	128.6	8	97	95 / 105	Pass
23		02/26/24	7336	A	A-4	13.3	115.7	11.3	112.9	125.7	8	98	95 / 105	Pass
24		02/26/24	7336	A	A-4	13.3	115.7	13.7	114.4	130.1	8	99	95 / 105	Pass
25		02/26/24	7336	A	A-4	13.3	115.7	12.6	116.5	131.2	8	101	95 / 105	Pass
26		02/26/24	7336	A	A-4	13.3	115.7	12.3	118.1	132.6	8	102	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
19	23 - Utility Backfill - Storm Sewer: Storm line E backfill, test at approx STA 1+90						-3.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 05/04/2021			Elizabeth Beierle		
20	23 - Utility Backfill - Storm Sewer: Storm line E backfill, test at approx STA 1+90						-4.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 05/04/2021			Elizabeth Beierle		
21	23 - Utility Backfill - Storm Sewer: Storm line E backfill, test at approx STA 1+85						-5.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 05/04/2021			Elizabeth Beierle		
22	23 - Utility Backfill - Storm Sewer: Subgrade for Storm manhole E3 base						0.0	Subgrade	Troxler / 3440 / 31300 / 05/10/2021			Kory Klinkerman		
23	23 - Utility Backfill - Storm Sewer: Storm Line E from approximate stations 3+50 to 4+75. Tested at approximate stations 3+60						-1.0	Rough Final Grade	Instrotek / Explorer 3500 / 04267 / 03/05/2021			Aaron Smith		
24	23 - Utility Backfill - Storm Sewer: Storm Line E from approximate stations 3+50 to 4+75. Tested at approximate stations 4+00						-2.0	Rough Final Grade	Instrotek / Explorer 3500 / 04267 / 03/05/2021			Aaron Smith		
25	23 - Utility Backfill - Storm Sewer: Storm Line E from approximate stations 3+50 to 4+75. Tested at approximate stations 4+50						-1.0	Rough Final Grade	Instrotek / Explorer 3500 / 04267 / 03/05/2021			Aaron Smith		
26	23 - Utility Backfill - Storm Sewer: Storm Line E from approximate stations 4+95 to 5+25. Tested at approximate stations 45+10						-4.0	Rough Final Grade	Instrotek / Explorer 3500 / 04267 / 03/05/2021			Aaron Smith		
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call base. The test elevations and locations are approximate and are based upon information provided by the Contractor. The lateral and vertical extents of any subexcavation were not measured or verified by this firm. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary comparative effort and moisture conditioning to meet the project specifications.



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Phone: 303.996.2999

Soil Nuclear Gauge

Report Date: 03/18/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
48		03/09/24	7315	A	A-2	9.8	125.6	11.7	119.3	133.3	12	95	95 / 105	Pass
49		03/09/24	7315	A	A-2	9.8	125.6	11.5	121.0	134.9	12	96	95 / 105	Pass
50		03/09/24	7315	A	A-2	9.8	125.6	11.4	119.6	133.2	12	95	95 / 105	Pass
51		03/09/24	7315	A	A-2	9.8	125.6	11.8	119.4	133.5	12	95	95 / 105	Pass
52		03/09/24	7315	A	A-2	9.8	125.6	11.7	119.4	133.4	12	95	95 / 105	Pass
53		03/09/24	7315	A	A-2	9.8	125.6	11.3	121.6	135.3	12	97	95 / 105	Pass
54		03/09/24	7336	A	A-4	13.3	115.7	13.8	113.8	129.5	12	98	95 / 105	Pass
62		03/11/24	7315	A	A-2	9.8	125.6	9.3	120.9	132.1	8	96	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
48	23 - Utility Backfill - Sanitary Sewer: Sanitary Line A, Approximately stations 4+92-5+93; East of MH-A4 (4+92)						-3.0	Rough Final Grade	Troxler / 3440 / 31235 / 05/07/2021			Phil Aranda		
49	23 - Utility Backfill - Sanitary Sewer: Sanitary Line A, Approximately stations 4+92-5+93; Approximately 5+30						-1.0	Rough Final Grade	Troxler / 3440 / 31235 / 05/07/2021			Phil Aranda		
50	23 - Utility Backfill - Sanitary Sewer: Sanitary Line A, Approximately stations 4+92-5+93; E of MH-A5 Approximately 5+93						-6.0	Rough Final Grade	Troxler / 3440 / 31235 / 05/07/2021			Phil Aranda		
51	23 - Utility Backfill - Sanitary Sewer: Sanitary Line A, Approximately stations 4+92-5+93; Approximately 5+60						-4.0	Rough Final Grade	Troxler / 3440 / 31235 / 05/07/2021			Phil Aranda		
52	23 - Utility Backfill - Sanitary Sewer: Sanitary Line A, Approximately stations 4+92-5+93; Approximately 5+02						0.0	Rough Final Grade	Troxler / 3440 / 31235 / 05/07/2021			Phil Aranda		
53	23 - Utility Backfill - Sanitary Sewer: Sanitary Line A, Approximately stations 4+92-5+93; Approximately 5+52						-1.0	Rough Final Grade	Troxler / 3440 / 31235 / 05/07/2021			Phil Aranda		
54	23 - Utility Backfill - Sanitary Sewer: Sanitary Line A, Approximately stations 4+92-5+93; Approximately 5+83						-3.0	Rough Final Grade	Troxler / 3440 / 31235 / 05/07/2021			Phil Aranda		
62	23 - Utility Backfill - Sanitary Sewer: Sanitary line A, test at approx STA 6+00						-3.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 05/04/2021			Elizabeth Beierle		
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call base. The test elevations and locations are approximate and are based upon information provided by the Contractor. The lateral and vertical extents of any subexcavation were not measured or verified by this firm. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary comparative effort and moisture conditioning to meet the project specifications.



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Soil Nuclear Gauge

Report Date: 03/18/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
63		03/11/24	7315	A	A-2	9.8	125.6	10.4	119.8	132.3	8	95	95 / 105	Pass
64		03/11/24	7315	A	A-2	9.8	125.6	11.0	120.1	133.3	8	96	95 / 105	Pass
65		03/11/24	7315	A	A-2	9.8	125.6	10.6	119.3	131.9	8	95	95 / 105	Pass
66		03/11/24	7315	A	A-2	9.8	125.6	10.1	120.9	133.1	8	96	95 / 105	Pass
67		03/11/24	7315	A	A-2	9.8	125.6	10.3	119.7	132.0	8	95	95 / 105	Pass
68		03/11/24	7315	A	A-2	9.8	125.6	10.5	120.4	133.0	8	96	95 / 105	Pass
69		03/07/24	7315	A	A-2	9.8	125.6	11.8	119.1	133.2	8	95	95 / 105	Pass
70		03/07/24	7336	A	A-4	13.3	115.7	13.0	118.7	134.1	8	103	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
63	23 - Utility Backfill - Sanitary Sewer: Sanitary line A, test at approx STA 6+10						-2.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 05/04/2021			Elizabeth Beierle		
64	23 - Utility Backfill - Sanitary Sewer: Sanitary line A, test at approx STA 6+15						-1.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 05/04/2021			Elizabeth Beierle		
65	23 - Utility Backfill - Sanitary Sewer: Sanitary line A, test at approx STA 5+75						-6.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 05/04/2021			Elizabeth Beierle		
66	23 - Utility Backfill - Sanitary Sewer: Sanitary line A, test at approx STA 5+80						-5.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 05/04/2021			Elizabeth Beierle		
67	23 - Utility Backfill - Sanitary Sewer: Sanitary line A, test at approx STA 5+95 south side of SSMH A5						-4.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 05/04/2021			Elizabeth Beierle		
68	23 - Utility Backfill - Sanitary Sewer: Sanitary line A, test at approx STA 5+95 north side of SSMH A5						-4.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 05/04/2021			Elizabeth Beierle		
69	23 - Utility Backfill - Sanitary Sewer: Sanitary Line A from approximate stations 6+00 to 8+55. Tested at approximate station 7+00						-3.0	Rough Final Grade	Instrotek / Explorer 3500 / 04267 / 03/05/2021			Aaron Smith		
70	23 - Utility Backfill - Sanitary Sewer: Sanitary Line A from approximate stations 6+00 to 8+55. Tested at approximate station 7+60						-4.0	Rough Final Grade	Instrotek / Explorer 3500 / 04267 / 03/05/2021			Aaron Smith		
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call base. The test elevations and locations are approximate and are based upon information provided by the Contractor. The lateral and vertical extents of any subexcavation were not measured or verified by this firm. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary comparative effort and moisture conditioning to meet the project specifications.



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Phone: 303.996.2999

Soil Nuclear Gauge

Report Date: 03/18/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
71		03/07/24	7315	A	A-2	9.8	125.6	11.0	120.0	133.2	8	96	95 / 105	Pass
72		03/07/24	7315	A	A-2	9.8	125.6	9.5	118.7	130.0	8	95	95 / 105	Pass
73		03/07/24	7336	A	A-4	13.3	115.7	12.9	114.4	129.2	8	99	95 / 105	Pass
74		03/07/24	7336	A	A-4	13.3	115.7	12.2	115.7	129.8	8	100	95 / 105	Pass
75		03/12/24	7336	A	A-4	13.3	115.7	11.5	112.5	125.4	8	97	95 / 105	Pass
76		03/12/24	7336	A	A-4	13.3	115.7	14.1	112.5	128.4	8	97	95 / 105	Pass
77		03/12/24	7336	A	A-4	13.3	115.7	14.2	114.6	130.9	8	99	95 / 105	Pass
78		03/12/24	7336	A	A-4	13.3	115.7	13.8	113.1	128.7	8	98	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
71	23 - Utility Backfill - Sanitary Sewer: Sanitary Line A from approximate stations 6+00 to 8+55. Tested at approximate station 6+20						-8.0	Rough Final Grade	Instrotek / Explorer 3500 / 04267 / 03/05/2021			Aaron Smith		
72	23 - Utility Backfill - Sanitary Sewer: Sanitary Line A from approximate stations 6+00 to 8+55. Tested at approximate station 6+40						-7.0	Rough Final Grade	Instrotek / Explorer 3500 / 04267 / 03/05/2021			Aaron Smith		
73	23 - Utility Backfill - Sanitary Sewer: Sanitary Line A from approximate stations 6+00 to 8+55. Tested at approximate station 8+55 (North Side of MH A6)						-4.0	Rough Final Grade	Instrotek / Explorer 3500 / 04267 / 03/05/2021			Aaron Smith		
74	23 - Utility Backfill - Sanitary Sewer: Sanitary Line A from approximate stations 6+00 to 8+55. Tested at approximate station 6+05 (South Side of MH A5)						-9.0	Rough Final Grade	Instrotek / Explorer 3500 / 04267 / 03/05/2021			Aaron Smith		
75	23 - Utility Backfill - Sanitary Sewer: Sanitary Line A, Tested south side of MH A4						-6.0	Rough Final Grade	Troxler / 3440 / 63528 / 05/07/2021			Kory Klinkerman		
76	23 - Utility Backfill - Sanitary Sewer: Sanitary Line A, Tested east side of MH A4						-6.0	Rough Final Grade	Troxler / 3440 / 63528 / 05/07/2021			Kory Klinkerman		
77	23 - Utility Backfill - Sanitary Sewer: Sanitary Line A, Tested north side of MH A4						-5.0	Rough Final Grade	Troxler / 3440 / 63528 / 05/07/2021			Kory Klinkerman		
78	23 - Utility Backfill - Sanitary Sewer: Sanitary Line A, Tested east side of MH A4						-5.0	Rough Final Grade	Troxler / 3440 / 63528 / 05/07/2021			Kory Klinkerman		
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call base. The test elevations and locations are approximate and are based upon information provided by the Contractor. The lateral and vertical extents of any subexcavation were not measured or verified by this firm. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary comparative effort and moisture conditioning to meet the project specifications.



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Soil Nuclear Gauge

Report Date: 03/18/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
55		03/11/24	7336	A	A-4	13.3	115.7	13.3	112.8	127.8	8	97	95 / 105	Pass
56		03/11/24	7336	A	A-4	13.3	115.7	12.8	113.2	127.7	8	98	95 / 105	Pass
57		03/11/24	7336	A	A-4	13.3	115.7	13.2	112.9	127.8	8	98	95 / 105	Pass
58		03/11/24	7336	A	A-4	13.3	115.7	15.3	110.9	127.9	8	96	95 / 105	Pass
59		03/11/24	7336	A	A-4	13.3	115.7	14.6	111.3	127.5	8	96	95 / 105	Pass
60		03/11/24	7336	A	A-4	13.3	115.7	14.8	111.7	128.2	8	97	95 / 105	Pass
61		03/11/24	7336	A	A-4	13.3	115.7	13.7	112.4	127.8	8	97	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
55	23 - Utility Backfill - Water: Water line A, test at approx STA 10+50						-3.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 05/04/2021			Elizabeth Beierle		
56	23 - Utility Backfill - Water: Water line A, test at approx STA 10+45						-2.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 05/04/2021			Elizabeth Beierle		
57	23 - Utility Backfill - Water: Water line A, test at approx STA 10+40						-1.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 05/04/2021			Elizabeth Beierle		
58	23 - Utility Backfill - Water: Water line A, test at approx STA 10+15						-3.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 05/04/2021			Elizabeth Beierle		
59	23 - Utility Backfill - Water: Water line A, test at approx STA 10+10						-2.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 05/04/2021			Elizabeth Beierle		
60	23 - Utility Backfill - Water: Water line A, test at approx STA 10+05						-1.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 05/04/2021			Elizabeth Beierle		
61	23 - Utility Backfill - Water: Water line A, test at approx STA 10+00						0.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 05/04/2021			Elizabeth Beierle		
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call base. The test elevations and locations are approximate and are based upon information provided by the Contractor. The lateral and vertical extents of any subexcavation were not measured or verified by this firm. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary comparative effort and moisture conditioning to meet the project specifications.



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Phone: 303.996.2999

Soil Nuclear Gauge

Report Date: 03/26/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
79		03/20/24	7336	A	A-4	13.3	115.7	12.9	113.0	127.6	8	98	95 / 105	Pass
80		03/20/24	7336	A	A-4	13.3	115.7	12.2	112.8	126.6	8	97	95 / 105	Pass
81		03/20/24	7336	A	A-4	13.3	115.7	12.0	114.1	127.8	8	99	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
79	23 - Utility Backfill - Storm Sewer: Storm line F, Tested Approx STA 1+50						-2.0	Rough Final Grade	Troxler / 3440 / 63528 / 05/07/2021			Kory Klinkerman		
80	23 - Utility Backfill - Storm Sewer: Storm line F, Tested Approx STA 1+75						-2.0	Rough Final Grade	Troxler / 3440 / 63528 / 05/07/2021			Kory Klinkerman		
81	23 - Utility Backfill - Storm Sewer: Storm line F, Tested Approx STA 2+25						-2.0	Rough Final Grade	Troxler / 3440 / 63528 / 05/07/2021			Kory Klinkerman		
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call base. The test elevations and locations are approximate and are based upon information provided by the Contractor. The lateral and vertical extents of any subexcavation were not measured or verified by this firm. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary comparative effort and moisture conditioning to meet the project specifications.



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Soil Nuclear Gauge

Report Date: 03/29/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
82		03/21/24	7315	A	A-2	9.8	125.6	10.8	119.5	132.4	8	95	95 / 105	Pass
83		03/21/24	7315	A	A-2	9.8	125.6	11.7	119.6	133.6	8	95	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
82	23 - Utility Backfill - Water: Road B Water Line. Tested ~30' north of Road A						-1.0	Rough Final Grade	Instrotek / Explorer 3500 / 04267 / 03/05/2021			Aaron Smith		
83	23 - Utility Backfill - Water: Road B Water Line. Tested ~50' north of Road A						0.0	Rough Final Grade	Instrotek / Explorer 3500 / 04267 / 03/05/2021			Aaron Smith		
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call base. The test elevations and locations are approximate and are based upon information provided by the Contractor. The lateral and vertical extents of any subexcavation were not measured or verified by this firm. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary comparative effort and moisture conditioning to meet the project specifications.



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Phone: 303.996.2999

Soil Nuclear Gauge

Report Date: 04/03/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
84		03/28/24	7336	A	A-4	13.3	115.7	12.9	114.1	128.8	8	99	95 / 105	Pass
85		03/28/24	7336	A	A-4	13.3	115.7	11.5	113.1	126.1	8	98	95 / 105	Pass
86		03/28/24	7336	A	A-4	13.3	115.7	11.9	113.9	127.5	8	98	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
84	23 - Utility Backfill - Sanitary Sewer: Sanitary sewer Line A backfill, Tested at approximately STA 1+75						-1.0	Rough Final Grade		Troxler / 3440 / 63528 / 05/07/2021			Kory Klinkerman	
85	23 - Utility Backfill - Sanitary Sewer: Sanitary sewer Line A backfill, Tested at approximately STA 1+50						-2.0	Rough Final Grade		Troxler / 3440 / 63528 / 05/07/2021			Kory Klinkerman	
86	23 - Utility Backfill - Sanitary Sewer: Sanitary sewer Line A backfill, Tested at approximately STA 1+40						-2.0	Rough Final Grade		Troxler / 3440 / 63528 / 05/07/2021			Kory Klinkerman	
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call base. The test elevations and locations are approximate and are based upon information provided by the Contractor. The lateral and vertical extents of any subexcavation were not measured or verified by this firm. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary comparative effort and moisture conditioning to meet the project specifications.



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Soil Nuclear Gauge

Report Date: 04/03/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
87		03/28/24	7332	A	A-2	9.2	126.2	7.9	124.3	134.1	8	98	95 / 105	Pass
88		03/28/24	7332	A	A-2	9.2	126.2	8.4	122.1	132.4	8	97	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
87	23 - Utility Backfill - Storm Sewer: Storm sewer forebay subgrade. North of manhole A1, approx STA 1+00						0.0	Rough Final Grade	Troxler / 3440 / 63528 / 05/07/2021			Kory Klinkerman		
88	23 - Utility Backfill - Storm Sewer: Storm sewer forebay subgrade. North of manhole A1, approx STA 1+00						0.0	Rough Final Grade	Troxler / 3440 / 63528 / 05/07/2021			Kory Klinkerman		
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call base. The test elevations and locations are approximate and are based upon information provided by the Contractor. The lateral and vertical extents of any subexcavation were not measured or verified by this firm. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary comparative effort and moisture conditioning to meet the project specifications.



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Soil Nuclear Gauge

Report Date: 04/18/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
89		04/03/24	7315	A	A-2	9.8	125.6	11.5	119.7	133.5	8	95	95 / 105	Pass
90		04/03/24	7315	A	A-2	9.8	125.6	11.8	120.0	134.2	8	96	95 / 105	Pass
91		04/03/24	7315	A	A-2	9.8	125.6	11.8	118.9	132.9	8	95	95 / 105	Pass
92		04/04/24	7315	A	A-2	9.8	125.6	8.4	118.8	128.8	8	95	95 / 105	Pass
93		04/04/24	7315	A	A-2	9.8	125.6	9.3	121.7	133.0	8	97	95 / 105	Pass
94		04/04/24	7315	A	A-2	9.8	125.6	8.9	119.8	130.5	8	95	95 / 105	Pass
101		04/10/24	7336	A	A-4	13.3	115.7	12.9	115.8	130.7	8	100	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
89	23 - Utility Backfill - Water: Water Line B, approximate stations 3+40 to 4+15. Tested at approximate station 3+90						-3.0	Rough Final Grade	Instrotek / Explorer 3500 / 04267 / 03/05/2021			Aaron Smith		
90	23 - Utility Backfill - Water: Water Line B, approximate stations 3+40 to 4+15. Tested at approximate station 3+85						-2.0	Rough Final Grade	Instrotek / Explorer 3500 / 04267 / 03/05/2021			Aaron Smith		
91	23 - Utility Backfill - Water: Water Line B, approximate stations 3+40 to 4+15. Tested at approximate station 3+50						-1.0	Rough Final Grade	Instrotek / Explorer 3500 / 04267 / 03/05/2021			Aaron Smith		
92	23 - Utility Backfill - Water: Water line on private road A. Tested approximately 15' NE of MH-A2						-1.0	Rough Final Grade	Troxler / 3440 / 24405 / 05/07/2021			Anthony Bath		
93	23 - Utility Backfill - Water: Water line on private road A. Tested approximately 15' west of MH-A2						-1.0	Rough Final Grade	Troxler / 3440 / 24405 / 05/07/2021			Anthony Bath		
94	23 - Utility Backfill - Water: Water line on private road A. Tested approximately 15' east of MH-A1						-2.0	Rough Final Grade	Troxler / 3440 / 24405 / 05/07/2021			Anthony Bath		
101	23 - Utility Backfill - Water: Lot 1 Water Tee backfill near Storm Line A STA 1+96 South side of Lot						-1.0	Rough Final Grade	Instrotek / Explorer 3500 / 2016 / 05/05/2021			Mario Carrion		
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call base. The test elevations and locations are approximate and are based upon information provided by the Contractor. The lateral and vertical extents of any subexcavation were not measured or verified by this firm. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary comparative effort and moisture conditioning to meet the project specifications.



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1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Soil Nuclear Gauge

Report Date: 04/18/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
95		03/30/24	7336	A	A-4	13.3	115.7	12.4	114.7	128.9	8	99	95 / 105	Pass
96		03/30/24	7336	A	A-4	13.3	115.7	13.5	113.6	128.9	8	98	95 / 105	Pass
97		03/30/24	7336	A	A-4	13.3	115.7	13.5	114.4	129.8	8	99	95 / 105	Pass
98		04/10/24	7336	A	A-4	13.3	115.7	14.9	110.8	127.3	8	96	95 / 105	Pass
99		04/10/24	7336	A	A-4	13.3	115.7	20.6	106.5	128.4	8	92	95 / 105	Fail
100		04/10/24	7336	A	A-4	13.3	115.7	14.6	113.6	130.2	8	98	95 / 105	Pass
106	99	04/12/24	7336	A	A-4	13.3	115.7	13.6	113.5	128.9	8	98	95 / 105	Pass
107		04/12/24	7336	A	A-4	13.3	115.7	11.9	112.9	126.3	8	98	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
95	23 - Utility Backfill - Storm Sewer: Private Road A. Tested west of MH-A4						-2.0	Rough Final Grade	Troxler / 3440 / 24405 / 05/07/2021			Anthony Bath		
96	23 - Utility Backfill - Storm Sewer: Private Road A. Tested approximately 20' west of MH-A4						-2.0	Rough Final Grade	Troxler / 3440 / 24405 / 05/07/2021			Anthony Bath		
97	23 - Utility Backfill - Storm Sewer: Private Road A. Tested approximately 20' west of MH-A5						-2.0	Rough Final Grade	Troxler / 3440 / 24405 / 05/07/2021			Anthony Bath		
98	23 - Utility Backfill - Storm Sewer: Trickle Channel Subgrade between Outlet Structure and Inlet G1 approximately 45' South of Inlet G1						0.0	Subgrade	Instrotek / Explorer 3500 / 2016 / 05/05/2021			Mario Carrion		
99	23 - Utility Backfill - Storm Sewer: Trickle Channel Subgrade between Outlet Structure and Inlet G1 approximately 100' South of Inlet G1						0.0	Subgrade	Instrotek / Explorer 3500 / 2016 / 05/05/2021			Mario Carrion		
100	23 - Utility Backfill - Storm Sewer: Storm Line E MH E1 Subgrade						0.0	Subgrade	Instrotek / Explorer 3500 / 2016 / 05/05/2021			Mario Carrion		
106	23 - Utility Backfill - Storm Sewer: Trickle Channel Subgrade between Outlet Structure and Inlet G1 approximately 100' South of Inlet G1						0.0	Subgrade	Instrotek / Explorer 3500 / 2016 / 05/05/2021			Mario Carrion		
107	23 - Utility Backfill - Storm Sewer Structure: Retest of Manhole E-1 subgrade						0.0	Subgrade	Instrotek / Explorer 3500 / 2016 / 05/05/2021			Mario Carrion		
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										
Fail: Density Fail / Moisture Fail														

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Soil Nuclear Gauge

Report Date: 04/18/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
108		04/12/24	7336	A	A-4	13.3	115.7	11.9	115.2	128.9	8	100	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
108	23 - Utility Backfill - Storm Sewer Structure: Storm Line A Manhole A-1 Subgrade						0.0	Subgrade		Instrotek / Explorer 3500 / 2016 / 05/05/2021			Mario Carrion	
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call base. The test elevations and locations are approximate and are based upon information provided by the Contractor. The lateral and vertical extents of any subexcavation were not measured or verified by this firm. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary comparative effort and moisture conditioning to meet the project specifications.



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Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
102		04/01/24	7336	A	A-4	13.3	115.7	12.4	113.9	128.0	8	98	95 / 105	Pass
103		04/01/24	7336	A	A-4	13.3	115.7	13.6	112.1	127.3	8	97	95 / 105	Pass
104		04/01/24	7336	A	A-4	13.3	115.7	13.1	111.6	126.2	8	96	95 / 105	Pass
105		04/01/24	7336	A	A-4	13.3	115.7	12.8	112.9	127.4	8	98	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
102	23 - Utility Backfill: Test sanitary service at sanitary line A STA 8+16						0.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 05/04/2021			Elizabeth Beierle		
103	23 - Utility Backfill: Test sanitary service approx 10' north of sanitary line A STA 8+16						0.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 05/04/2021			Elizabeth Beierle		
104	23 - Utility Backfill: Test sanitary service at approx sanitary line A STA 8+23						0.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 05/04/2021			Elizabeth Beierle		
105	23 - Utility Backfill: Test sanitary service approx 15' south of sanitary line A STA 8+23						0.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 05/04/2021			Elizabeth Beierle		
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

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Soil Nuclear Gauge

Report Date: 05/03/2024
Test Method: ASTM D 6938

Client:

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3400 College Boulevard
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Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
109		04/17/24	7336	A	A-4	13.3	115.7	13.3	115.3	130.6	8	100	95 / 105	Pass
110		04/23/24	7336	A	A-4	13.3	115.7	13.1	113.6	128.5	8	98	95 / 105	Pass
111		04/23/24	7315	A	A-2	9.8	125.6	10.4	118.7	131.0	8	95	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
109	23 - Utility Backfill - Storm Sewer Structure: Manhole E3 Subgrade. Storm Line E, Station 1+61						0.0	Subgrade		Instrotek / Explorer 3500 / 04267 / 03/05/2021			Aaron Smith	
110	23 - Utility Backfill - Storm Sewer Structure: Manhole E1 subgrade. Storm line E, approximate station 1+00						0.0	Subgrade		Instrotek / Explorer 3500 / 04267 / 03/05/2021			Aaron Smith	
111	23 - Utility Backfill - Water: Water Line A. Approximate station 5+76						-1.0	Rough Final Grade		Instrotek / Explorer 3500 / 04267 / 03/05/2021			Aaron Smith	
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call base. The test elevations and locations are approximate and are based upon information provided by the Contractor. The lateral and vertical extents of any subexcavation were not measured or verified by this firm. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary comparative effort and moisture conditioning to meet the project specifications.



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Soil Nuclear Gauge

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3400 College Boulevard
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Leawood, KS 66211

Project:

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Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
112		04/30/24	7336	A	A-4	13.3	115.7	13.6	112.3	127.6	8	97	95 / 105	Pass
113		04/30/24	7317	A	A-6	15.7	108.4	18.1	107.4	126.8	8	99	95 / 105	Pass
114		05/01/24	7336	A	A-4	13.3	115.7	13.3	112.1	127.0	8	97	95 / 105	Pass
115		05/01/24	7336	A	A-4	13.3	115.7	12.1	113.0	126.7	8	98	95 / 105	Pass
116		05/02/24	7336	A	A-4	13.3	115.7	11.9	113.3	126.8	8	98	95 / 105	Pass
117		05/02/24	7336	A	A-4	13.3	115.7	11.4	113.8	126.8	8	98	95 / 105	Pass
118		05/02/24	7336	A	A-4	13.3	115.7	12.0	113.8	127.5	8	98	95 / 105	Pass
119		05/02/24	7336	A	A-4	13.3	115.7	15.1	112.2	129.1	8	97	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
112	23 - Utility Backfill - Storm Sewer: Compaction for MH-A5 Base subgrade						0.0	Base of structure	Troxler / 3440 / 24405 / 05/07/2021			Anthony Bath		
113	23 - Utility Backfill - Storm Sewer: Compaction for MH-H1 Base subgrade						0.0	Base of structure	Troxler / 3440 / 24405 / 05/07/2021			Anthony Bath		
114	23 - Utility Backfill - Storm Sewer: Compaction for MH-A6 Base subgrade						0.0	Base of structure	Troxler / 3440 / 24405 / 05/07/2021			Anthony Bath		
115	23 - Utility Backfill - Storm Sewer: Compaction for MH-D4 Base subgrade						0.0	Base of structure	Troxler / 3440 / 24405 / 05/07/2021			Anthony Bath		
116	23 - Utility Backfill - Storm Sewer: Compaction for Inlet C1						-5.0	Rough Final Grade	Troxler / 3440 / 24405 / 05/07/2021			Anthony Bath		
117	23 - Utility Backfill - Storm Sewer: Compaction for Inlet D2.						-5.0	Rough Final Grade	Troxler / 3440 / 24405 / 05/07/2021			Anthony Bath		
118	23 - Utility Backfill - Storm Sewer: Compaction for Inlet D3.						-5.0	Rough Final Grade	Troxler / 3440 / 24405 / 05/07/2021			Anthony Bath		
119	23 - Utility Backfill - Storm Sewer: Compaction for Inlet EX-1. Tested west side of Inlet.						-3.0	Rough Final Grade	Troxler / 3440 / 24405 / 05/07/2021			Anthony Bath		
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

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Soil Nuclear Gauge

Report Date: 05/14/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
120		05/02/24	7336	A	A-4	13.3	115.7	12.1	113.6	127.3	8	98	95 / 105	Pass
121		05/02/24	7336	A	A-4	13.3	115.7	14.5	113.4	129.8	8	98	95 / 105	Pass
122		05/07/24	7315	A	A-2	9.8	125.6	11.3	119.8	133.3	8	95	95 / 105	Pass
123		05/08/24	7336	A	A-4	13.3	115.7	11.9	110.6	123.8	8	96	95 / 105	Pass
124		05/08/24	7336	A	A-4	13.3	115.7	11.7	114.4	127.8	8	99	95 / 105	Pass
125		05/08/24	7336	A	A-4	13.3	115.7	11.5	114.7	127.9	8	99	95 / 105	Pass
126		05/09/24	7315	A	A-2	9.8	125.6	8.6	119.7	130.0	8	95	95 / 105	Pass
127		05/09/24	7315	A	A-2	9.8	125.6	7.8	119.5	128.8	8	95	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
120	23 - Utility Backfill - Storm Sewer: Compaction for Inlet EX-1. Tested west side of Inlet.						-2.0	Rough Final Grade	Troxler / 3440 / 24405 / 05/07/2021			Anthony Bath		
121	23 - Utility Backfill - Storm Sewer: Compaction for Inlet EX-1. Tested east side of Inlet.						-2.0	Rough Final Grade	Troxler / 3440 / 24405 / 05/07/2021			Anthony Bath		
122	23 - Utility Backfill - Storm Sewer Structure: Storm Line A, Subgrade at Type R Custom Inlet A2, DTA 1+60						0.0	Base of structure	Instrotek / Explorer 3500 / 1986 / 05/05/2021			Stephen Matthis		
123	23 - Utility Backfill - Storm Sewer: South side of Storm Manhole A6						-4.0	Rough Final Grade	Instrotek / Explorer 3500 / 1986 / 05/05/2021			Andrew Calogero		
124	23 - Utility Backfill - Storm Sewer: 5' south of Storm Manhole A6						-3.0	Rough Final Grade	Instrotek / Explorer 3500 / 1986 / 05/05/2021			Andrew Calogero		
125	23 - Utility Backfill - Storm Sewer: 10' west of Storm Manhole A6						-4.0	Rough Final Grade	Instrotek / Explorer 3500 / 1986 / 05/05/2021			Andrew Calogero		
126	23 - Utility Backfill - Storm Sewer Structure: Inlet base subgrade, inlet F1						0.0	Base of structure	Instrotek / Explorer 3500 / 2016 / 05/05/2021			Barry Moore		
127	23 - Utility Backfill - Storm Sewer Structure: Inlet F2 base subgrade						0.0	Base of structure	Instrotek / Explorer 3500 / 2016 / 05/05/2021			Barry Moore		
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

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Soil Nuclear Gauge

Report Date: 05/14/2024
Test Method: ASTM D 6938

Client:

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Leawood, KS 66211

Project:

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Dransfeldt and Lincoln
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Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
128		05/09/24	7315	A	A-2	9.8	125.6	9.7	120.3	132.0	8	96	95 / 105	Pass
129		05/09/24	7315	A	A-2	9.8	125.6	8.0	119.1	128.6	8	95	95 / 105	Pass
130		05/09/24	7315	A	A-2	9.8	125.6	7.8	120.6	130.0	8	96	95 / 105	Pass
131		05/10/24	7336	A	A-4	13.3	115.7	11.9	113.1	126.6	8	98	95 / 105	Pass
132		05/10/24	7336	A	A-4	13.3	115.7	11.3	112.7	125.4	8	97	95 / 105	Pass
133		05/10/24	7315	A	A-2	9.8	125.6	10.1	119.4	131.5	8	95	95 / 105	Pass
134		05/10/24	7336	A	A-4	13.3	115.7	11.5	114.9	128.1	8	99	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
128	23 - Utility Backfill - Storm Sewer Structure: Manhole D1 base subgrade						0.0	Base of structure	Instrotek / Explorer 3500 / 2016 / 05/05/2021			Barry Moore		
129	23 - Utility Backfill - Storm Sewer Structure: Manhole F3 base subgrade						0.0	Base of structure	Instrotek / Explorer 3500 / 2016 / 05/05/2021			Barry Moore		
130	23 - Utility Backfill - Storm Sewer Structure: Manhole A3 base subgrade						0.0	Base of structure	Instrotek / Explorer 3500 / 2016 / 05/05/2021			Barry Moore		
131	23 - Utility Backfill - Storm Sewer: Storm Inlet E1, south side of inlet						-2.0	Rough Final Grade	Instrotek / Explorer 3500 / 1899 / 05/05/2021			Andrew Calogero		
132	23 - Utility Backfill - Storm Sewer: Storm Inlet E1, east side of inlet						-1.0	Rough Final Grade	Instrotek / Explorer 3500 / 1899 / 05/05/2021			Andrew Calogero		
133	23 - Utility Backfill - Storm Sewer: Storm Inlet E1, west side of inlet						0.0	Rough Final Grade	Instrotek / Explorer 3500 / 1899 / 05/05/2021			Andrew Calogero		
134	23 - Utility Backfill - Storm Sewer: Storm Manhole C2, north side of manhole						-2.0	Rough Final Grade	Instrotek / Explorer 3500 / 1899 / 05/05/2021			Andrew Calogero		
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

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Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
135		05/09/24	7336	A	A-4	13.3	115.7	12.9	114.0	128.7	8	99	95 / 105	Pass
136		05/09/24	7336	A	A-4	13.3	115.7	12.6	114.7	129.2	8	99	95 / 105	Pass
137		05/09/24	7336	A	A-4	13.3	115.7	11.5	112.9	125.9	8	98	95 / 105	Pass
138		05/09/24	7336	A	A-4	13.3	115.7	11.7	114.6	128.0	8	99	95 / 105	Pass
139		05/13/24	7336	A	A-4	13.3	115.7	13.5	114.0	129.4	8	99	95 / 105	Pass
140		05/13/24	7336	A	A-4	13.3	115.7	14.1	114.3	130.4	8	99	95 / 105	Pass
141		05/14/24	7336	A	A-4	13.3	115.7	14.6	113.8	130.4	8	98	95 / 105	Pass
142		05/14/24	7336	A	A-4	13.3	115.7	13.3	114.1	129.3	8	99	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
135	23 - Utility Backfill - Storm Sewer Structure: Subgrade at Inlet base F1						0.0	Subgrade of structure	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore		
136	23 - Utility Backfill - Storm Sewer Structure: Subgrade at Inlet base F2						0.0	Subgrade of structure	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore		
137	23 - Utility Backfill - Storm Sewer Structure: Subgrade at Manhole base D1						0.0	Subgrade of structure	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore		
138	23 - Utility Backfill - Storm Sewer Structure: Subgrade at Manhole base F3						0.0	Subgrade of structure	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore		
139	23 - Utility Backfill - Storm Sewer Structure: manhole base, A2 STA 1+60.62						0.0	subgrade	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore		
140	23 - Utility Backfill - Storm Sewer Structure: manhole base, A4 STA 3+41.02						0.0	subgrade	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore		
141	23 - Utility Backfill - Storm Sewer Structure: storm manhole base J1, STA 2+02.52						0.0	subgrade	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore		
142	23 - Utility Backfill - Storm Sewer Structure: storm manhole base J2, STA 2+36.85						0.0	subgrade	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore		
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call base. The test elevations and locations are approximate and are based upon information provided by the Contractor. The lateral and vertical extents of any subexcavation were not measured or verified by this firm. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary comparative effort and moisture conditioning to meet the project specifications.



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
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Phone: 303.996.2999

Soil Nuclear Gauge

Report Date: 05/23/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
143		05/21/24	7315	A	A-2	9.8	125.6	8.1	121.1	130.9	8	96	95 / 105	Pass
144		05/21/24	7315	A	A-2	9.8	125.6	11.5	120.7	134.6	8	96	95 / 105	Pass
145		05/21/24	7336	A	A-4	13.3	115.7	12.4	116.7	131.2	8	101	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
143	23 - Utility Backfill - Storm Sewer: Storm Line F, approximate station 2+25						-4.0	Rough Final Grade	Instrotek / Explorer 3500 / 04267 / 03/08/2023			Aaron Smith		
144	23 - Utility Backfill - Storm Sewer: Storm Line J, approximate station 2+20						0.0	Rough Final Grade	Instrotek / Explorer 3500 / 04267 / 03/08/2023			Aaron Smith		
145	23 - Utility Backfill - Storm Sewer: Storm Line D, approximate station 2+45						-2.0	Rough Final Grade	Instrotek / Explorer 3500 / 04267 / 03/08/2023			Aaron Smith		
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call base. The test elevations and locations are approximate and are based upon information provided by the Contractor. The lateral and vertical extents of any subexcavation were not measured or verified by this firm. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary comparative effort and moisture conditioning to meet the project specifications.



Cole Garner Geotechnical
1070 West 124th Ave
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Soil Nuclear Gauge

Report Date: 06/12/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
146		05/24/24	7315	A	A-2	9.8	125.6	11.1	122.6	136.2	8	98	95 / 105	Pass
147		05/24/24	7315	A	A-2	9.8	125.6	11.7	119.4	133.4	8	95	95 / 105	Pass
148		05/24/24	7315	A	A-2	9.8	125.6	8.4	124.6	135.1	8	99	95 / 105	Pass
149		05/22/24	7315	A	A-2	9.8	125.6	9.2	121.4	132.6	8	97	95 / 105	Pass
150		05/22/24	7315	A	A-2	9.8	125.6	10.4	119.8	132.3	8	95	95 / 105	Pass
158		06/05/24	7336	A	A-4	13.3	115.7	13.2	111.4	126.1	8	96	95 / 105	Pass
159		06/05/24	7336	A	A-4	13.3	115.7	11.8	112.1	125.3	8	97	95 / 105	Pass
160		06/05/24	7336	A	A-4	13.3	115.7	12.4	113.9	128.0	8	98	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
146	23 - Utility Backfill - Storm Sewer: Storm Line F between Inlets A7 and F1, test at STA 1+25						-3.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 03/06/2023			Elizabeth Beierle		
147	23 - Utility Backfill - Storm Sewer: Storm Line F between Inlets A7 and F1, test at STA 1+30						-2.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 03/06/2023			Elizabeth Beierle		
148	23 - Utility Backfill - Storm Sewer: Storm Line F between Inlets A7 and F1, test at STA 1+35						-1.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 03/06/2023			Elizabeth Beierle		
149	23 - Utility Backfill - Storm Sewer Structure: Storm Line F between Inlets A7 and F1, test at STA 1+80						-3.0	Rough Final Grade	Instrotek / Explorer 3500 / 04267 / 03/08/2023			Dale Griest		
150	23 - Utility Backfill - Storm Sewer Structure: Storm Line F between Inlets A7 and F1, test at STA 1+90						-0.5	Rough Final Grade	Instrotek / Explorer 3500 / 04267 / 03/08/2023			Dale Griest		
158	23 - Utility Backfill - Storm Sewer: Storm Inlet A7, north side of inlet						-3.0	Rough Final Grade	Instrotek / Explorer 3500 / 1986 / 11/04/2022			Andrew Calogero		
159	23 - Utility Backfill - Storm Sewer: Storm Inlet A7, east side of inlet						-2.0	Rough Final Grade	Instrotek / Explorer 3500 / 1986 / 11/04/2022			Andrew Calogero		
160	23 - Utility Backfill - Storm Sewer: Storm Inlet A7, south side of inlet						-1.0	Rough Final Grade	Instrotek / Explorer 3500 / 1986 / 11/04/2022			Andrew Calogero		
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call base. The test elevations and locations are approximate and are based upon information provided by the Contractor. The lateral and vertical extents of any subexcavation were not measured or verified by this firm. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary comparative effort and moisture conditioning to meet the project specifications.



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Phone: 303.996.2999

Soil Nuclear Gauge

Report Date: 06/12/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
164		06/04/24	7336	A	A-4	13.3	115.7	12.4	113.6	127.7	8	98	95 / 105	Pass
165		06/04/24	7336	A	A-4	13.3	115.7	13.4	111.9	126.9	8	97	95 / 105	Pass
171		06/07/24	7336	A	A-4	13.3	115.7	13.7	113.6	129.2	8	98	95 / 105	Pass
172		06/07/24	7336	A	A-4	13.3	115.7	13.8	112.4	127.9	8	97	95 / 105	Pass
173		06/07/24	7336	A	A-4	13.3	115.7	13.9	111.8	127.3	8	97	95 / 105	Pass
174		06/07/24	7336	A	A-4	13.3	115.7	13.6	111.5	126.7	8	96	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
164	23 - Utility Backfill - Storm Sewer Structure: Storm Line A STA 5+00						3.0	Top of pipe		Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore	
165	23 - Utility Backfill - Storm Sewer Structure: Storm Line A STA 5+10						5.0	Top of pipe		Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore	
171	23 - Utility Backfill - Storm Sewer: Storm Line E along eastbound Lincoln Ave approx STA 6+00						2.0	top of pipe		Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore	
172	23 - Utility Backfill - Storm Sewer: Storm Line E along eastbound Lincoln Ave approx STA 6+05						3.0	top of pipe		Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore	
173	23 - Utility Backfill - Storm Sewer: Storm Line E along eastbound Lincoln Ave approx STA 6+10						4.0	top of pipe		Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore	
174	23 - Utility Backfill - Storm Sewer: Storm Line E along eastbound Lincoln Ave approx STA 6+15						5.0	top of pipe		Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore	
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call base. The test elevations and locations are approximate and are based upon information provided by the Contractor. The lateral and vertical extents of any subexcavation were not measured or verified by this firm. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary comparative effort and moisture conditioning to meet the project specifications.



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Soil Nuclear Gauge

Report Date: 06/12/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
151		05/30/24	7336	A	A-4	13.3	115.7	14.7	113.3	130.0	8	98	95 / 105	Pass
152		05/30/24	7336	A	A-4	13.3	115.7	12.2	112.5	126.2	8	97	95 / 105	Pass
153		05/30/24	7336	A	A-4	13.3	115.7	12.4	111.6	125.4	8	96	95 / 105	Pass
154		05/30/24	7336	A	A-4	13.3	115.7	11.8	113.1	126.4	8	98	95 / 105	Pass
155		05/31/24	7336	A	A-4	13.3	115.7	11.4	117.2	130.6	8	101	95 / 105	Pass
156		05/31/24	7336	A	A-4	13.3	115.7	11.8	113.0	126.3	8	98	95 / 105	Pass
157		05/31/24	7336	A	A-4	13.3	115.7	12.0	115.5	129.4	8	100	95 / 105	Pass
161		06/03/24	7336	A	A-4	13.3	115.7	13.8	116.0	132.0	8	100	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
151	23 - Utility Backfill - Water: waterline on private drive from STA 3+52.92 to STA 4+64.98 tested at approx STA 3+6.00						2.0	top of pipe	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore		
152	23 - Utility Backfill - Water: waterline on private drive from STA 3+52.92 to STA 4+64.98 tested at approx STA 4+15						2.0	top of pipe	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore		
153	23 - Utility Backfill - Water: waterline on private drive from STA 3+52.92 to STA 4+64.98 tested at approx STA 3+75						3.0	top of pipe	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore		
154	23 - Utility Backfill - Water: waterline on private drive from STA 3+52.92 to STA 4+64.98 tested at approx STA 4+00						3.0	top of pipe	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore		
155	23 - Utility Backfill - Water: Waterline B near entrance from Lincoln Avenue. Test ~STA 3+85.						-4.0	Rough Final Grade	Instrotek / Explorer 3500 / 4268 / 03/23/2023			Kyle Rynearson		
156	23 - Utility Backfill - Water: Waterline B near entrance from Lincoln Avenue. Test ~STA 3+75.						-2.0	Rough Final Grade	Instrotek / Explorer 3500 / 4268 / 03/23/2023			Kyle Rynearson		
157	23 - Utility Backfill - Water: Waterline B near entrance from Lincoln Avenue. Test ~STA 3+60.						-3.0	Rough Final Grade	Instrotek / Explorer 3500 / 4268 / 03/23/2023			Kyle Rynearson		
161	23 - Utility Backfill - Water: water line B STA 3+55						2.0	top of pipe	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore		
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call base. The test elevations and locations are approximate and are based upon information provided by the Contractor. The lateral and vertical extents of any subexcavation were not measured or verified by this firm. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary comparative effort and moisture conditioning to meet the project specifications.



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Phone: 303.996.2999

Soil Nuclear Gauge

Report Date: 06/12/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
162		06/03/24	7336	A	A-4	13.3	115.7	12.0	113.6	127.2	8	98	95 / 105	Pass
163		06/03/24	7336	A	A-4	13.3	115.7	11.8	112.7	126.0	8	97	95 / 105	Pass
166		06/06/24	7336	A	A-4	13.3	115.7	12.5	113.2	127.4	8	98	95 / 105	Pass
167		06/06/24	7336	A	A-4	13.3	115.7	14.1	112.2	128.0	8	97	95 / 105	Pass
168		06/06/24	7336	A	A-4	13.3	115.7	14.3	112.7	128.8	8	97	95 / 105	Pass
169		06/06/24	7336	A	A-4	13.3	115.7	14.6	111.8	128.1	8	97	95 / 105	Pass
170		06/06/24	7336	A	A-4	13.3	115.7	12.3	113.7	127.7	8	98	95 / 105	Pass
175		06/07/24	7336	A	A-4	13.3	115.7	13.3	112.8	127.8	8	97	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
162	23 - Utility Backfill - Water: water line B STA 3+80						2.0	top of pipe	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore		
163	23 - Utility Backfill - Water: water line B STA 4+10						2.0	top of pipe	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore		
166	23 - Utility Backfill - Water: water line on private road between tract B and tract C tested at approx STA 4+10						2.0	top of pipe	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore		
167	23 - Utility Backfill - Water: water line on private road between tract B and tract C tested at approx STA 4+15						3.0	top of pipe	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore		
168	23 - Utility Backfill - Water: water line on private road between tract B and tract C tested at approx STA 4+15						4.0	top of pipe	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore		
169	23 - Utility Backfill - Water: water line on private road between tract B and tract C tested at approx STA 4+30						2.0	top of pipe	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore		
170	23 - Utility Backfill - Water: water line on private road between tract B and tract C tested at approx STA 4+35						4.0	top of pipe	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore		
175	23 - Utility Backfill - Water: water line on private road between tract B and tract C approx STA 4+00						2.0	top of pipe	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore		
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call base. The test elevations and locations are approximate and are based upon information provided by the Contractor. The lateral and vertical extents of any subexcavation were not measured or verified by this firm. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary comparative effort and moisture conditioning to meet the project specifications.



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Soil Nuclear Gauge

Report Date: 06/12/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
176		06/07/24	7336	A	A-4	13.3	115.7	14.2	112.3	128.2	8	97	95 / 105	Pass
177		06/07/24	7336	A	A-4	13.3	115.7	13.6	112.5	127.8	8	97	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
176	23 - Utility Backfill - Water: water line on private road between tract B and tract C approx STA 4+05						3.0	top of pipe		Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore	
177	23 - Utility Backfill - Water: water line on private road between tract B and tract C approx STA 4+10						4.0	top of pipe		Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore	
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call base. The test elevations and locations are approximate and are based upon information provided by the Contractor. The lateral and vertical extents of any subexcavation were not measured or verified by this firm. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary comparative effort and moisture conditioning to meet the project specifications.



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Soil Nuclear Gauge

Report Date: 07/16/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
178		06/11/24	7336	A	A-4	13.3	115.7	11.7	113.2	126.4	8	98	95 / 105	Pass
179		06/11/24	7315	A	A-2	9.8	125.6	11.6	119.1	132.9	8	95	95 / 105	Pass
180		06/11/24	7336	A	A-4	13.3	115.7	12.4	113.5	127.6	8	98	95 / 105	Pass
181		06/11/24	7336	A	A-4	13.3	115.7	12.1	112.2	125.8	8	97	95 / 105	Pass
182		06/11/24	7315	A	A-2	9.8	125.6	8.0	122.1	131.9	8	97	95 / 105	Pass
183		06/11/24	7315	A	A-2	9.8	125.6	8.3	120.6	130.6	8	96	95 / 105	Pass
184		06/11/24	7315	A	A-2	9.8	125.6	7.9	123.9	133.7	8	99	95 / 105	Pass
185		06/11/24	7336	A	A-4	13.3	115.7	12.1	112.7	126.3	8	97	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
178	23 - Utility Backfill - Storm Sewer: Storm Inlet D2 STA 2+31.11, north side of inlet						-3.0	Rough Final Grade	Troxler / 3440 / 65677 / 08/26/2022			Andrew Calogero		
179	23 - Utility Backfill - Storm Sewer: Storm Inlet D2 STA 2+31.11, east side of inlet						-1.0	Rough Final Grade	Troxler / 3440 / 65677 / 08/26/2022			Andrew Calogero		
180	23 - Utility Backfill - Storm Sewer: Storm Inlet D3 STA 2+65.52, west side of inlet						-1.5	Rough Final Grade	Troxler / 3440 / 65677 / 08/26/2022			Andrew Calogero		
181	23 - Utility Backfill - Storm Sewer: Storm Inlet D3 STA 2+65.52, east side of inlet						-3.0	Rough Final Grade	Troxler / 3440 / 65677 / 08/26/2022			Andrew Calogero		
182	23 - Utility Backfill - Storm Sewer: Storm Inlet F1 STA 2+17.61, east side of inlet						-3.0	Rough Final Grade	Troxler / 3440 / 65677 / 08/26/2022			Andrew Calogero		
183	23 - Utility Backfill - Storm Sewer: Storm Inlet F1 STA 2+17.61, south side of inlet						-1.0	Rough Final Grade	Troxler / 3440 / 65677 / 08/26/2022			Andrew Calogero		
184	23 - Utility Backfill - Storm Sewer: Storm Inlet F2 STA 2+51.94, west side of inlet						-1.0	Rough Final Grade	Troxler / 3440 / 65677 / 08/26/2022			Andrew Calogero		
185	23 - Utility Backfill - Storm Sewer: Storm Inlet F2 STA 2+51.94, east side of inlet						-2.5	Rough Final Grade	Troxler / 3440 / 65677 / 08/26/2022			Andrew Calogero		
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call base. The test elevations and locations are approximate and are based upon information provided by the Contractor. The lateral and vertical extents of any subexcavation were not measured or verified by this firm. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary comparative effort and moisture conditioning to meet the project specifications.



Cole Garner Geotechnical
1070 West 124th Ave
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Phone: 303.996.2999

Soil Nuclear Gauge

Report Date: 07/16/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
204		06/19/24	7336	A	A-4	13.3	115.7	15.2	114.8	132.2	12	99	95 / 105	Pass
206		06/19/24	7336	A	A-4	13.3	115.7	13.8	110.1	125.3	12	95	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
204	23 - Utility Backfill - Storm Sewer Structure: Storm Line Manhole E1, Approx 5' W of E1						-2.0	Rough Final Grade		Troxler / 3440 / 65677 / 08/26/2022			Phil Aranda	
206	23 - Utility Backfill - Storm Sewer Structure: Storm Line Manhole E2, Approx 3' W of E2						-1.0	Rough Final Grade		Troxler / 3440 / 65677 / 08/26/2022			Phil Aranda	
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

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Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
211		06/28/24	7336	A	A-4	13.3	115.7	14.9	110.9	127.4	8	96	95 / 105	Pass
212		06/28/24	7336	A	A-4	13.3	115.7	13.8	111.7	127.1	8	97	95 / 105	Pass
213		06/28/24	7336	A	A-4	13.3	115.7	14.3	109.7	125.4	8	95	95 / 105	Pass
214		06/28/24	7336	A	A-4	13.3	115.7	14.6	113.7	130.3	8	98	95 / 105	Pass
215		06/28/24	7336	A	A-4	13.3	115.7	13.9	110.2	125.5	8	95	95 / 105	Pass
216		07/08/24	7332	A	A-2	9.2	126.2	7.9	119.8	129.3	6	95	95 / 105	Pass
217		07/08/24	7332	A	A-2	9.2	126.2	9.0	123.9	135.1	8	98	95 / 105	Pass
218		07/08/24	7332	A	A-2	9.2	126.2	9.1	121.1	132.1	8	96	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
211	21 - Curb & Gutter Subgrade: Private Drive, NB approximately 15' S of Crossspan at Lincoln Ave & Private Drive						0.0	Subgrade	Troxler / 3440 / 65677 / 08/26/2022			Phil Aranda		
212	21 - Curb & Gutter Subgrade: Private Drive, SB approximately 20' S of Crossspan at Lincoln Ave & Private Drive						0.0	Subgrade	Troxler / 3440 / 65677 / 08/26/2022			Phil Aranda		
213	21 - Curb & Gutter Subgrade: Private Drive, NB approximately 110' S of Crossspan at Lincoln Ave & Private Drive						0.0	Subgrade	Troxler / 3440 / 65677 / 08/26/2022			Phil Aranda		
214	21 - Curb & Gutter Subgrade: Road B, NB approximately 40' S of Intersection with Private Drive						0.0	Subgrade	Troxler / 3440 / 65677 / 08/26/2022			Phil Aranda		
215	21 - Curb & Gutter Subgrade: Road B, SB approximately 90' S of Intersection with Private Drive						0.0	Subgrade	Troxler / 3440 / 65677 / 08/26/2022			Phil Aranda		
216	21 - Other flatwork subgrade: Cross Pan at Intersection of Private Drive & Road B, SB Lane at Private Drive, Approximately 10' West of SE Corner of Intersection						0.0	Subgrade	Instrotek / Explorer 3500 / 1986 / 11/04/2022			Stephen Matthis		
217	21 - Curb & Gutter Subgrade: Curb and Gutter Subgrade, Road B, NB Lane, Tested at Approximately 20' S of Intersection of Road A and Road B						0.0	Subgrade	Instrotek / Explorer 3500 / 1986 / 11/04/2022			Stephen Matthis		
218	21 - Curb & Gutter Subgrade: Curb and Gutter Subgrade, Road B, SB Lane, Tested at Approximately 20' S of Intersection of Road A and Road B						0.0	Subgrade	Instrotek / Explorer 3500 / 1986 / 11/04/2022			Stephen Matthis		
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call base. The test elevations and locations are approximate and are based upon information provided by the Contractor. The lateral and vertical extents of any subexcavation were not measured or verified by this firm. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary comparative effort and moisture conditioning to meet the project specifications.



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Soil Nuclear Gauge

Report Date: 07/16/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
219		07/08/24	7332	A	A-2	9.2	126.2	8.7	124.1	134.9	8	98	95 / 105	Pass
220		07/08/24	7332	A	A-2	9.2	126.2	9.2	122.3	133.6	8	97	95 / 105	Pass
221		07/01/24	7332	A	A-2	9.2	126.2	10.6	121.9	134.8	8	97	95 / 105	Pass
222		07/01/24	7332	A	A-2	9.2	126.2	10.2	122.6	135.1	8	97	95 / 105	Pass
223		07/01/24	7332	A	A-2	9.2	126.2	9.9	121.9	134.0	8	97	95 / 105	Pass
224		07/01/24	7332	A	A-2	9.2	126.2	10.3	122.6	135.2	8	97	95 / 105	Pass
225		07/01/24	7332	A	A-2	9.2	126.2	8.9	124.2	135.3	8	98	95 / 105	Pass
226		07/01/24	7332	A	A-2	9.2	126.2	9.1	123.8	135.1	8	98	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
219	21 - Curb & Gutter Subgrade: Curb and Gutter Subgrade, Road A, WB Lane, Tested at Approximately 30' East of Intersection of Road A and Road B						0.0	Subgrade	Instrotek / Explorer 3500 / 1986 / 11/04/2022			Stephen Matthis		
220	21 - Curb & Gutter Subgrade: Curb and Gutter Subgrade, Road A, EB Lane, Tested at Approximately 30' East of Intersection of Road A and Road B						0.0	Subgrade	Instrotek / Explorer 3500 / 1986 / 11/04/2022			Stephen Matthis		
221	21 - Curb & Gutter Subgrade: Private Rd A curb and gutter subgrade between Lot 3 and Lot 6, test north side of street east of inlet						0.0	Subgrade	Instrotek / Explorer 3500 / 04267 / 03/08/2023			Elizabeth Beierle		
222	21 - Curb & Gutter Subgrade: Private Rd A curb and gutter subgrade between Lot 3 and Lot 6, test north side of street west of inlet						0.0	Subgrade	Instrotek / Explorer 3500 / 04267 / 03/08/2023			Elizabeth Beierle		
223	21 - Curb & Gutter Subgrade: Private Rd A curb and gutter subgrade between Lot 3 and Lot 6, test south side of street east of inlet						0.0	Subgrade	Instrotek / Explorer 3500 / 04267 / 03/08/2023			Elizabeth Beierle		
224	21 - Curb & Gutter Subgrade: Private Rd B curb and gutter subgrade between Lot 2 and Lot 3, east side, test south 1/3						0.0	Subgrade	Instrotek / Explorer 3500 / 04267 / 03/08/2023			Elizabeth Beierle		
225	21 - Curb & Gutter Subgrade: Private Rd B curb and gutter subgrade between Lot 2 and Lot 3, east side, test north 1/3						0.0	Subgrade	Instrotek / Explorer 3500 / 04267 / 03/08/2023			Elizabeth Beierle		
226	21 - Curb & Gutter Subgrade: Private Rd B curb and gutter subgrade between Lot 2 and Lot 3, east side, test middle 1/3						0.0	Subgrade	Instrotek / Explorer 3500 / 04267 / 03/08/2023			Elizabeth Beierle		
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

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Soil Nuclear Gauge

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Test Method: ASTM D 6938

Client:

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Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
227		07/01/24	7332	A	A-2	9.2	126.2	8.4	122.9	133.2	8	97	95 / 105	Pass
228		07/01/24	7332	A	A-2	9.2	126.2	10.7	121.3	134.3	8	96	95 / 105	Pass
229		07/01/24	7332	A	A-2	9.2	126.2	9.6	124.2	136.1	8	98	95 / 105	Pass
230		07/12/24	7315	A	A-2	9.8	125.6	8.7	122.5	133.2	8	98	95 / 105	Pass
231		07/12/24	7315	A	A-2	9.8	125.6	8.7	119.8	130.2	8	95	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
227	21 - Curb & Gutter Subgrade: Private Rd B curb and gutter subgrade between Lot 2 and Lot 3, west side, test middle 1/3						0.0	Subgrade	Instrotek / Explorer 3500 / 04267 / 03/08/2023			Elizabeth Beierle		
228	21 - Curb & Gutter Subgrade: Private Rd B curb and gutter subgrade between Lot 2 and Lot 3, west side, test north 1/3						0.0	Subgrade	Instrotek / Explorer 3500 / 04267 / 03/08/2023			Elizabeth Beierle		
229	21 - Curb & Gutter Subgrade: Private Rd B curb and gutter subgrade between Lot 2 and Lot 3, west side, test south 1/3						0.0	Subgrade	Instrotek / Explorer 3500 / 04267 / 03/08/2023			Elizabeth Beierle		
230	21 - Concrete Paving: Private Drive, from S side of crossspan to approximately 150' S/SE; NB DL approx 15' S of crossspan						0.0	Subgrade	Troxler / 3440 / 24405 / 04/25/2023			Phil Aranda		
231	21 - Concrete Paving: Private Drive, from S side of crossspan to approximately 150' S/SE; SB DL approx 85' S/SE of crossspan						0.0	Subgrade	Troxler / 3440 / 24405 / 04/25/2023			Phil Aranda		
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

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Soil Nuclear Gauge

Report Date: 08/19/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
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Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
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Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
232		07/15/24	7332	A	A-2	9.2	126.2	9.6	124.3	136.2	8	98	95 / 105	Pass
233		07/15/24	7332	A	A-2	9.2	126.2	10.3	121.6	134.1	8	96	95 / 105	Pass
234		07/15/24	7332	A	A-2	9.2	126.2	9.9	123.1	135.3	8	98	95 / 105	Pass
235		07/15/24	7332	A	A-2	9.2	126.2	9.4	124.6	136.3	8	99	95 / 105	Pass
236		07/16/24	7336	A	A-4	13.3	115.7	13.7	112.4	127.8	8	97	95 / 105	Pass
237		07/16/24	7336	A	A-4	13.3	115.7	14.0	113.8	129.7	8	98	95 / 105	Pass
238		07/16/24	7336	A	A-4	13.3	115.7	13.5	112.7	127.9	8	97	95 / 105	Pass
239		07/16/24	7336	A	A-4	13.3	115.7	14.1	112.9	128.8	8	98	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
232	21 - Pavement Subgrade: Asphalt subgrade Private Rd B, test SB lane approx 8' south of Lincoln Ave						0.0	Subgrade	Instrotek / Explorer 3500 / 2133 / 03/06/2023			Elizabeth Beierle		
233	21 - Pavement Subgrade: Asphalt subgrade Private Rd B, test NB lane approx 15' south of Lincoln Ave						0.0	Subgrade	Instrotek / Explorer 3500 / 2133 / 03/06/2023			Elizabeth Beierle		
234	21 - Pavement Subgrade: Asphalt subgrade Private Rd B/shared access rd, test WB lane approx 15' east of fire hydrant						0.0	Subgrade	Instrotek / Explorer 3500 / 2133 / 03/06/2023			Elizabeth Beierle		
235	21 - Pavement Subgrade: Asphalt subgrade Private Rd B/shared access rd, test WB lane approx 25' east of fire hydrant						0.0	Subgrade	Instrotek / Explorer 3500 / 2133 / 03/06/2023			Elizabeth Beierle		
236	21 - Sidewalk Subgrade: Subgrade for sidewalk on west side of private rd B, test north half						0.0	Subgrade	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Elizabeth Beierle		
237	21 - Sidewalk Subgrade: Subgrade for sidewalk on west side of private rd B, test south half						0.0	Subgrade	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Elizabeth Beierle		
238	21 - Sidewalk Subgrade: Subgrade for sidewalk on east side of Private Rd B, north of Private Rd A, test north half						0.0	Subgrade	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Elizabeth Beierle		
239	21 - Sidewalk Subgrade: Subgrade for sidewalk on east side of Private Rd B, north of Private Rd A, test south half						0.0	Subgrade	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Elizabeth Beierle		
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

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Client:

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Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
240		07/16/24	7336	A	A-4	13.3	115.7	14.2	113.9	130.1	8	98	95 / 105	Pass
241		07/16/24	7336	A	A-4	13.3	115.7	14.3	111.7	127.7	8	97	95 / 105	Pass
242		07/16/24	7336	A	A-4	13.3	115.7	13.8	110.7	126.0	8	96	95 / 105	Pass
243		07/17/24	7336	A	A-4	13.3	115.7	13.9	112.7	128.4	8	97	95 / 105	Pass
244		07/17/24	7336	A	A-4	13.3	115.7	14.6	114.7	131.4	8	99	95 / 105	Pass
245		07/17/24	7336	A	A-4	13.3	115.7	15.0	112.1	128.9	8	97	95 / 105	Pass
246		07/19/24	7336	A	A-4	13.3	115.7	13.4	114.7	130.1	8	99	95 / 105	Pass
247		07/19/24	7336	A	A-4	13.3	115.7	12.7	115.1	129.7	8	99	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
240	21 - Sidewalk Subgrade: Subgrade for sidewalk on east side of Private Rd B, north of Private Rd A, test at corner of Private Rd A and Private Rd B						0.0	Subgrade	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Elizabeth Beierle		
241	21 - Sidewalk Subgrade: Subgrade for sidewalk on north side of Private Rd A, 0-40' west of Private Rd B, test approx 15' west of Private Rd B						0.0	Subgrade	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Elizabeth Beierle		
242	21 - Sidewalk Subgrade: Subgrade for sidewalk on north side of Private Rd A, east of Private Rd B, test approx 15' east of Private Rd B						0.0	Subgrade	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Elizabeth Beierle		
243	21 - Sidewalk Subgrade: Subgrade for sidewalk on south side of Private Rd A, east of Private Rd B, test approx 40' east of Private Rd B						0.0	Subgrade	Instrotek / Explorer 3500 / 2133 / 03/06/2023			Elizabeth Beierle		
244	21 - Sidewalk Subgrade: Subgrade for sidewalk on south side of Private Rd A, east of Private Rd B, test approx 10' east of Private Rd B						0.0	Subgrade	Instrotek / Explorer 3500 / 2133 / 03/06/2023			Elizabeth Beierle		
245	21 - Sidewalk Subgrade: Subgrade for sidewalk on south side of Private Rd A, west of Private Rd B, test approx 20' west of Private Rd B						0.0	Subgrade	Instrotek / Explorer 3500 / 2133 / 03/06/2023			Elizabeth Beierle		
246	21 - Curb & Gutter Subgrade: Subgrade for curb and gutter on SE side of lane from Tract C to Shared access lane, test westernmost half						0.0	Subgrade	Instrotek / Explorer 3500 / 2133 / 03/06/2023			Elizabeth Beierle		
247	21 - Curb & Gutter Subgrade: Subgrade for curb and gutter on SE side of lane from Tract C to Shared access lane, test easternmost half						0.0	Subgrade	Instrotek / Explorer 3500 / 2133 / 03/06/2023			Elizabeth Beierle		
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

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1070 West 124th Ave
Suite 300
Westminister, CO 80234
Phone: 303.996.2999

Soil Nuclear Gauge

Report Date: 08/19/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
248		07/24/24	7315	A	A-2	9.8	125.6	9.0	122.4	133.4	8	97	95 / 105	Pass
249		07/24/24	7315	A	A-2	9.8	125.6	10.1	124.6	137.2	8	99	95 / 105	Pass
250		07/26/24	7317	A	A-6	15.7	108.4	16.8	107.9	126.0	8	100	95 / 105	Pass
251		07/26/24	7336	A	A-4	13.3	115.7	15.1	111.1	127.9	8	96	95 / 105	Pass
252		08/01/24	7315	A	A-2	9.8	125.6	7.9	122.0	131.6	8	97	95 / 105	Pass
253		08/01/24	7315	A	A-2	9.8	125.6	8.0	121.9	131.7	8	97	95 / 105	Pass
254		08/01/24	7315	A	A-2	9.8	125.6	8.2	121.7	131.7	8	97	95 / 105	Pass
255		08/01/24	7315	A	A-2	9.8	125.6	8.1	124.2	134.3	8	99	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
248	21 - Sidewalk Subgrade: Sidewalk on south side of Lincoln Street. From detention pond to north side of Lot 7. Tested west side of sidewalk.						0.0	Subgrade	Troxler / 3440 / 24405 / 04/25/2023			Anthony Bath		
249	21 - Sidewalk Subgrade: Sidewalk on south side of Lincoln Street. From detention pond to north side of Lot 7. Tested east side of sidewalk.						0.0	Subgrade	Troxler / 3440 / 24405 / 04/25/2023			Anthony Bath		
250	21 - Curb & Gutter Subgrade: C&G on south side of Lincoln St. NW of Lot 7. Tested west side of C&G.						0.0	Subgrade	Troxler / 3440 / 24405 / 04/25/2023			Anthony Bath		
251	21 - Curb & Gutter Subgrade: C&G on south side of Lincoln St. NW of Lot 7. Tested east side of C&G.						0.0	Subgrade	Troxler / 3440 / 24405 / 04/25/2023			Anthony Bath		
252	21 - Sidewalk Subgrade: Sidewalk Subgrade along South Side of Road A, Approximate Roadway STA 1+00 to 7+00, Tested Approximate STA 6+75						0.0	Subgrade	Instrotek / Explorer 3500 / 1986 / 11/04/2022			Stephen Matthis		
253	21 - Sidewalk Subgrade: Sidewalk Subgrade along South Side of Road A, Approximate Roadway STA 1+00 to 7+00, Tested Approximate STA 5+75						0.0	Subgrade	Instrotek / Explorer 3500 / 1986 / 11/04/2022			Stephen Matthis		
254	21 - Sidewalk Subgrade: Sidewalk Subgrade along South Side of Road A, Approximate Roadway STA 1+00 to 7+00, Tested Approximate STA 4+75						0.0	Subgrade	Instrotek / Explorer 3500 / 1986 / 11/04/2022			Stephen Matthis		
255	21 - Sidewalk Subgrade: Sidewalk Subgrade along South Side of Road A, Approximate Roadway STA 1+00 to 7+00, Tested Approximate STA 3+75						0.0	Subgrade	Instrotek / Explorer 3500 / 1986 / 11/04/2022			Stephen Matthis		
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

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Soil Nuclear Gauge

Report Date: 08/19/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
256		08/01/24	7315	A	A-2	9.8	125.6	7.8	120.9	130.3	8	96	95 / 105	Pass
257		08/01/24	7315	A	A-2	9.8	125.6	7.9	123.3	133.0	8	98	95 / 105	Pass
258		08/01/24	7315	A	A-2	9.8	125.6	8.2	119.8	129.6	8	95	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
256	21 - Sidewalk Subgrade: Sidewalk Subgrade along South Side of Road A, Approximate Roadway STA 1+00 to 7+00, Tested Approximate STA 2+75						0.0	Subgrade		Instrotek / Explorer 3500 / 1986 / 11/04/2022			Stephen Matthis	
257	21 - Sidewalk Subgrade: Sidewalk Subgrade along South Side of Road A, Approximate Roadway STA 1+00 to 7+00, Tested Approximate STA 1+75						0.0	Subgrade		Instrotek / Explorer 3500 / 1986 / 11/04/2022			Stephen Matthis	
258	21 - Other flatwork subgrade: Cross Pan Subgrade Along East Side of Intersection of Road A and Lincoln, 10' S of NE Corner of Intersection						0.0	Subgrade		Instrotek / Explorer 3500 / 1986 / 11/04/2022			Stephen Matthis	
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

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Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
259		08/01/24	7708	B	A-2	7.8	126.1	8.2	119.8	129.6	8	95	95 / 105	Pass
260		08/01/24	7708	B	A-2	7.8	126.1	7.6	120.1	129.2	8	95	95 / 105	Pass
261		08/02/24	7732	C	A-1	5.0	138.3	5.9	132.9	140.7	6	96	95 / 105	Pass
262		08/02/24	7732	C	A-1	5.0	138.3	6.2	134.1	142.4	6	97	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
259	21 - Pavement Subgrade: Pavement Subgrade, Southbound Dransfeldt Lane Widening, Approximately 75' S of Lincoln & Dransfeldt						-2.0	Subgrade	Instrotek / Explorer 3500 / 1986 / 11/04/2022			Stephen Matthis		
260	21 - Pavement Subgrade: Pavement Subgrade, Southbound Dransfeldt Lane Widening, Approximately 175' S of Lincoln & Dransfeldt						-2.0	Subgrade	Instrotek / Explorer 3500 / 1986 / 11/04/2022			Stephen Matthis		
261	21 - Curb & Gutter Subgrade: Curb and gutter along southbound Dransfeldt Rd, tested approximately 120' south of Lincoln Ave						0.0	Rough Final Grade	Troxler / 3440 / 31235 / 03/24/2023			Andrew Calogero		
262	21 - Curb & Gutter Subgrade: Curb and gutter along southbound Dransfeldt Rd, tested approximately 60' south of Lincoln Ave						0.0	Rough Final Grade	Troxler / 3440 / 31235 / 03/24/2023			Andrew Calogero		
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call base. The test elevations and locations are approximate and are based upon information provided by the Contractor. The lateral and vertical extents of any subexcavation were not measured or verified by this firm. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary comparative effort and moisture conditioning to meet the project specifications.



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Soil Nuclear Gauge

Report Date: 08/30/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results															
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Oversize (%)	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
263		08/16/24	7780	B	A-1		12.7	117.8	12.4	115.7	130.0	8	98	95 / 105	Pass
264		08/16/24	7780	B	A-1		12.7	117.8	10.9	117.3	130.1	8	100	95 / 105	Pass
265		08/20/24	7648	C	A-1	5	8.0	130.5	6.3	130.2	138.4	8	100	95 / 105	Pass
266		08/20/24	7648	C	A-1	5	8.0	130.5	7.7	124.6	134.2	8	95	95 / 105	Pass
267		08/20/24	7648	C	A-1	5	8.0	130.5	7.4	125.3	134.6	8	96	95 / 105	Pass
268		08/20/24	7648	C	A-1	5	8.0	130.5	6.9	126.3	135.0	8	97	95 / 105	Pass
269		08/20/24	7648	C	A-1	5	8.0	130.5	6.8	129.3	138.1	8	99	95 / 105	Pass
270		08/21/24	7648	C	A-1	5	8.0	130.5	7.9	125.4	135.3	8	96	95 / 105	Pass
Test Information															
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated				Field Technician		
263	21 - Concrete Paving - Crossspan: WB half of Lowe's entrance crossspan off Dransfeldt Road, roadbase subgrade						0.0	Roadbase subgrade	Instrotek / Explorer 3500 / 2133 / 03/06/2023				Elizabeth Beierle		
264	21 - Concrete Paving - Crossspan: WB half of Lowe's entrance crossspan off Dransfeldt Road, roadbase subgrade, test curb line						0.0	Roadbase subgrade	Instrotek / Explorer 3500 / 2133 / 03/06/2023				Elizabeth Beierle		
265	21 - Pavement Subgrade: Subgrade for private Rd B, test SB lane approx 45' north of Private Rd A						0.0	Subgrade	Instrotek / Explorer 3500 / 2133 / 03/06/2023				Elizabeth Beierle		
266	21 - Pavement Subgrade: Subgrade for private Rd A, test EB lane approx 60' east of Private Rd B						0.0	Subgrade	Instrotek / Explorer 3500 / 2133 / 03/06/2023				Elizabeth Beierle		
267	21 - Pavement Subgrade: Subgrade for private Rd A, test WB lane approx 20' east of Private Rd B						0.0	Subgrade	Instrotek / Explorer 3500 / 2133 / 03/06/2023				Elizabeth Beierle		
268	21 - Pavement Subgrade: Subgrade for private Rd B, test NB lane approx 20' south of Private Rd A						0.0	Subgrade	Instrotek / Explorer 3500 / 2133 / 03/06/2023				Elizabeth Beierle		
269	21 - Pavement Subgrade: Subgrade for private Rd B, test SB lane approx 50' south of Private Rd A						0.0	Subgrade	Instrotek / Explorer 3500 / 2133 / 03/06/2023				Elizabeth Beierle		
270	21 - Pavement Subgrade: Subgrade for private Rd A, test WB lane adjacent to approx Sanitary Lane STA 1+50						0.0	Subgrade	Instrotek / Explorer 3500 / 2133 / 03/06/2023				Elizabeth Beierle		
Remarks				Comments											
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.											

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Soil Nuclear Gauge

Report Date: 08/30/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results															
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Oversize (%)	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
271		08/21/24	7648	C	A-1	5	8.0	130.5	8.1	124.9	135.0	8	96	95 / 105	Pass
272		08/21/24	7648	C	A-1	5	8.0	130.5	7.7	125.3	134.9	8	96	95 / 105	Pass
273		08/21/24	7648	C	A-1	5	8.0	130.5	7.6	125.6	135.1	8	96	95 / 105	Pass
274		08/21/24	7648	C	A-1	5	8.0	130.5	7.2	126.1	135.2	8	97	95 / 105	Pass
275		08/21/24	7648	C	A-1	5	8.0	130.5	7.8	125.7	135.5	8	96	95 / 105	Pass
276		08/21/24	7648	C	A-1	5	8.0	130.5	8.2	124.2	134.4	8	95	95 / 105	Pass
277		08/21/24	7648	C	A-1	5	8.0	130.5	7.3	126.1	135.3	8	97	95 / 105	Pass
278		08/21/24	7648	C	A-1	5	8.0	130.5	7.0	127.1	136.0	8	97	95 / 105	Pass
Test Information															
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated				Field Technician		
271	21 - Pavement Subgrade: Subgrade for private Rd A, test WB lane adjacent to approx Sanitary Lane STA 3+00						0.0	Subgrade	Instrotek / Explorer 3500 / 2133 / 03/06/2023				Elizabeth Beierle		
272	21 - Pavement Subgrade: Subgrade for private Rd A, test WB lane adjacent to approx Sanitary Lane STA 4+50						0.0	Subgrade	Instrotek / Explorer 3500 / 2133 / 03/06/2023				Elizabeth Beierle		
273	21 - Pavement Subgrade: Subgrade for private Rd A, test WB lane adjacent to approx Sanitary Lane STA 6+00						0.0	Subgrade	Instrotek / Explorer 3500 / 2133 / 03/06/2023				Elizabeth Beierle		
274	21 - Pavement Subgrade: Subgrade for private Rd A, test WB lane adjacent to approx Sanitary Line A STA 7+25						0.0	Subgrade	Instrotek / Explorer 3500 / 2133 / 03/06/2023				Elizabeth Beierle		
275	21 - Pavement Subgrade: Subgrade for private Rd A, test EB lane adjacent to approx Sanitary Line A STA 6+50						0.0	Subgrade	Instrotek / Explorer 3500 / 2133 / 03/06/2023				Elizabeth Beierle		
276	21 - Pavement Subgrade: Subgrade for private Rd A, test EB lane adjacent to approx Sanitary Line A STA 5+00						0.0	Subgrade	Instrotek / Explorer 3500 / 2133 / 03/06/2023				Elizabeth Beierle		
277	21 - Pavement Subgrade: Subgrade for private Rd A, test EB lane adjacent to approx Sanitary Line A STA 3+50						0.0	Subgrade	Instrotek / Explorer 3500 / 2133 / 03/06/2023				Elizabeth Beierle		
278	21 - Pavement Subgrade: Subgrade for private Rd A, test EB lane adjacent to approx Sanitary Line A STA 2+00						0.0	Subgrade	Instrotek / Explorer 3500 / 2133 / 03/06/2023				Elizabeth Beierle		
Remarks				Comments											
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.											

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Soil Nuclear Gauge

Report Date: 08/30/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results															
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Oversize (%)	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
279		08/20/24	7780	B	A-1		12.7	117.8	13.1	116.4	131.6	6	99	95 / 105	Pass
280		08/20/24	7780	B	A-1		12.7	117.8	12.8	115.1	129.8	6	98	95 / 105	Pass
Test Information															
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician		
279	21 - Base Course: Curb & Gutter: C&G on SB side of Dransfeldt Rd, test approx 20' south of Lowe's Entrance						0.0	Subgrade		Instrotek / Explorer 3500 / 2133 / 03/06/2023			Elizabeth Beierle		
280	21 - Base Course: Curb & Gutter: C&G on SB side of Dransfeldt Rd, test approx 35' south of Lowe's Entrance						0.0	Subgrade		Instrotek / Explorer 3500 / 2133 / 03/06/2023			Elizabeth Beierle		
Remarks				Comments											
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.											

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Soil Nuclear Gauge

Report Date: 09/17/2024
Test Method: ASTM D 6938

Client:

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3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
281		09/04/24	7708	B	A-2	7.8	126.1	6.9	122.5	131.0	8	97	95 / 105	Pass
282		09/04/24	7708	B	A-2	7.8	126.1	7.9	121.7	131.3	8	97	95 / 105	Pass
283		09/04/24	7708	B	A-2	7.8	126.1	6.8	119.4	127.5	8	95	95 / 105	Pass
284		09/04/24	7708	B	A-2	7.8	126.1	7.0	119.7	128.1	8	95	95 / 105	Pass
285		09/10/24	7780	B	A-1	12.7	117.8	12.7	119.1	134.2	8	101	95 / 105	Pass
286		09/10/24	7780	B	A-1	12.7	117.8	10.9	116.7	129.4	8	99	95 / 105	Pass
287		09/10/24	7780	B	A-1	12.7	117.8	12.4	112.5	126.5	8	96	95 / 105	Pass
288		09/10/24	7780	B	A-1	12.7	117.8	10.9	112.8	125.1	8	96	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
281	21 - Pavement Subgrade: Right hand lane of southbound Dransfeldt from Lincoln Ave. to 150' south of the entrance to Lowes tested at approximately 75' south of the Lowes entrance						0.0	Subgrade	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore		
282	21 - Pavement Subgrade: Right hand lane of southbound Dransfeldt from Lincoln Ave. to 150' south of the entrance to Lowes tested at approximately 25' south of the Lowes entrance						0.0	Subgrade	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore		
283	21 - Pavement Subgrade: Right hand lane of south bound Dransfeldt from Lincoln Ave. to 150' south of the entrance to Lowes tested at approximately 50' north of the Lowes entrance						0.0	Subgrade	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore		
284	21 - Pavement Subgrade: Right hand lane of southbound Dransfeldt from Lincoln Ave. to 150' south of the entrance to Lowes tested at approximately 100' north of the Lowes entrance						0.0	Subgrade	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Barry Moore		
285	21 - Base Course: Pavement: Pavement subgrade for southbound (SB) Dransfeldt, test approx 45' south of Lincoln Ave						0.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 03/06/2023			Elizabeth Beierle		
286	21 - Base Course: Pavement: Pavement subgrade for SB Dransfeldt, test approx 150' south of Lincoln Ave						0.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 03/06/2023			Elizabeth Beierle		
287	21 - Base Course: Pavement: Pavement subgrade for SB Dransfeldt, test approx 8' north of Lowe's entrance						0.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 03/06/2023			Elizabeth Beierle		
288	21 - Base Course: Pavement: Pavement subgrade for SB Dransfeldt, test approx 75' south of Lowe's entrance						0.0	Rough Final Grade	Instrotek / Explorer 3500 / 2133 / 03/06/2023			Elizabeth Beierle		
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

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Soil Nuclear Gauge

Report Date: 10/04/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Remark
289		09/18/24	7780	B	A-1	12.7	117.8	10.7	120.0	132.8	8	102	95 / 105	Pass
290		09/18/24	7780	B	A-1	12.7	117.8	10.9	111.5	123.7	8	95	95 / 105	Pass
291		09/18/24	7780	B	A-1	12.7	117.8	10.8	113.6	125.9	8	96	95 / 105	Pass
292		09/18/24	7708	B	A-2	7.8	126.1	5.9	123.2	130.5	8	98	95 / 105	Pass
293		09/18/24	7708	B	A-2	7.8	126.1	6.2	125.3	133.1	8	99	95 / 105	Pass
294		09/26/24	7780	B	A-1	12.7	117.8	10.8	116.7	129.3	8	99	95 / 105	Pass
295		09/26/24	7780	B	A-1	12.7	117.8	11.2	118.7	132.0	8	101	95 / 105	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
289	21 - Base Course: Curb & Gutter: West side of Dransfeldt, from approximately 60' North of Crossspan (Truck Entrance) at Lowe's to 120' North; Approximately 80' North of Crossspan						0.0	Rough Final Grade	Troxler / 3440 / 31235 / 03/24/2023			Phil Aranda		
290	21 - Base Course: Curb & Gutter: West side of Dransfeldt, from approximately South side of Crossspan at car wash entrance to approximately 40' South; Approximately 35' South of crossspan						0.0	Rough Final Grade	Troxler / 3440 / 31235 / 03/24/2023			Phil Aranda		
291	21 - Base Course: Curb & Gutter: West side of Dransfeldt, from approximately South side of Crossspan at car wash entrance to approximately 40' South; Approximately 5' South of crossspan						0.0	Rough Final Grade	Troxler / 3440 / 31235 / 03/24/2023			Phil Aranda		
292	21 - Sidewalk Subgrade: West side of Dransfeldt, from approximately North side of Crossspan at car wash entrance to Lincoln Ave; Approximately 60' North of crosspan						0.0	Subgrade	Troxler / 3440 / 31235 / 03/24/2023			Phil Aranda		
293	21 - Sidewalk Subgrade: West side of Dransfeldt, from approximately North side of Crosspan at car wash entrance to Lincoln Ave; Approximately 40' South of Lincoln Ave						0.0	Subgrade	Troxler / 3440 / 31235 / 03/24/2023			Phil Aranda		
294	21 - Base Course: Pavement: 90' patch along southbound Dransfeldt Road, test at approximately 50' south of entrance to car wash						0.0	Rough Final Grade	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Andrew Calogero		
295	21 - Base Course: Pavement: 66' patch along southbound Dransfeldt Road (pie shape), test at approximately 40' north of entrance to Lowe's (1st entrance south of the car wash entrance)						0.0	Rough Final Grade	Instrotek / Explorer 3500 / 2016 / 03/14/2023			Andrew Calogero		
Remarks				Comments										
Pass: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call base. The test elevations and locations are approximate and are based upon information provided by the Contractor. The lateral and vertical extents of any subexcavation were not measured or verified by this firm. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary comparative effort and moisture conditioning to meet the project specifications.



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminister, CO 80234
Phone: 303.996.2999

Soil Nuclear Gauge

Report Date: 10/21/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results															
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Optimum Moisture Tolerance (%)	Remark
296		10/10/24	7332	A	A-2	9.2	126.2	8.1	119.7	129.4	8	95	95 / 105	-2 / 2	Pass
297		10/10/24	7332	A	A-2	9.2	126.2	8.6	120.3	130.6	8	95	95 / 105	-2 / 2	Pass
298		10/16/24	7780	B	A-1	12.7	117.8	11.1	113.5	126.1	8	96	95 / 105	-2 / 2	Pass
299		10/16/24	7780	B	A-1	12.7	117.8	11.4	112.8	125.7	8	96	95 / 105	-2 / 2	Pass
300		10/16/24	7780	B	A-1	12.7	117.8	12.3	111.4	125.1	8	95	95 / 105	-2 / 2	Pass
301		10/16/24	7708	B	A-2	7.8	126.1	9.1	120.4	131.4	8	95	95 / 105	-2 / 2	Pass
Test Information															
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician		
296	21 - Sidewalk Subgrade: Approximately 175' of sidewalk along eastbound Lincoln Ave, from southwest corner of Lincoln Ave and Parker Road to 175' west. Tested west half of sidewalk						0.0	Subgrade		Instrotek / Explorer 3500 / 1986 / 11/04/2022			Andrew Calogero		
297	21 - Sidewalk Subgrade: Approximately 175' of sidewalk along eastbound Lincoln Ave, from southwest corner of Lincoln Ave and Parker Road to 175' west. Tested east half of sidewalk						0.0	Subgrade		Instrotek / Explorer 3500 / 1986 / 11/04/2022			Andrew Calogero		
298	21 - Base Course: Sidewalk: Approximately 200 ft of sidewalk along northbound Dransfeldt Rd. From 200'-400' south of intersection with Lincoln Avenue. Tested approximately 400' south of Lincoln avenue						0.0	Rough Final Grade		Instrotek / Explorer 3500 / 1986 / 11/04/2022			Julia Bishop		
299	21 - Base Course: Sidewalk: Approximately 200 ft of sidewalk along northbound Dransfeldt Rd. From 200'-400' south of intersection with Lincoln Avenue. Tested approximately 320' south of Lincoln avenue						0.0	Rough Final Grade		Instrotek / Explorer 3500 / 1986 / 11/04/2022			Julia Bishop		
300	21 - Base Course: Sidewalk: Approximately 200 ft of sidewalk along northbound Dransfeldt Rd. From 200'-400' south of intersection with Lincoln Avenue. Tested approximately 250' south of Lincoln avenue						0.0	Rough Final Grade		Instrotek / Explorer 3500 / 1986 / 11/04/2022			Julia Bishop		
301	21 - Base Course: Sidewalk: Approximately 200 ft of sidewalk along northbound Dransfeldt Rd. From 200'-400' south of intersection with Lincoln Avenue. Tested approximately 250' south of Lincoln avenue						-0.5	Rough Final Grade		Instrotek / Explorer 3500 / 1986 / 11/04/2022			Julia Bishop		
Remarks					Comments										
Pass: Density Pass / Moisture Pass					Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call base. The test elevations and locations are approximate and are based upon information provided by the Contractor. The lateral and vertical extents of any subexcavation were not measured or verified by this firm. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary comparative effort and moisture conditioning to meet the project specifications.



Cole Garner Geotechnical
1070 West 124th Ave
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Soil Nuclear Gauge

Report Date: 12/23/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results															
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Optimum Moisture Tolerance (%)	Remark
302		10/21/24	7817	A	A-6	11.1	117.8	11.2	116.8	129.9	6	99	95 / 105	0 / 4	Pass
303		10/21/24	7817	A	A-6	11.1	117.8	11.9	116.2	130.0	6	99	95 / 105	0 / 4	Pass
304		10/21/24	7817	A	A-6	11.1	117.8	11.9	116.9	130.8	6	99	95 / 105	0 / 4	Pass
309		11/22/24	7317	A	A-6	15.7	108.4	16.0	102.8	119.2	8	95	95 / 105	0 / 2	Pass
310		11/22/24	7317	A	A-6	15.7	108.4	16.2	103.1	119.8	8	95	95 / 105	0 / 2	Pass
311		11/22/24	7317	A	A-6	15.7	108.4	16.6	103.5	120.7	8	95	95 / 105	0 / 2	Pass
312		11/22/24	7317	A	A-6	15.7	108.4	16.9	102.9	120.3	8	95	95 / 105	0 / 2	Pass
313		12/03/24	7785	B	A-6	11.4	120.0	13.2	116.5	131.9	8	97	95 / 105	1 / 3	Pass
Test Information															
Test #	Test Location							Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
302	21 - Sidewalk Subgrade: E side of Dransfeldt Rd, approximately 30' S of Lincoln Ave to SWC of site; Approximately 60 S of Crossspan on Dransfeldt & Private Road A							0.0	SG	Troxler / 3440 / 31235 / 03/24/2023			Phil Aranda		
303	21 - Sidewalk Subgrade: E side of Dransfeldt Rd, approximately 30' S of Lincoln Ave to SWC of site; Approximately 50' N of Crosspan on Dransfeldt & Private Road A							0.0	SG	Troxler / 3440 / 31235 / 03/24/2023			Phil Aranda		
304	21 - Sidewalk Subgrade: E side of Dransfeldt Rd, approximately 30' S of Lincoln Ave to SWC of site; Approximately 120' S of Lincoln Ave							0.0	SG	Troxler / 3440 / 31235 / 03/24/2023			Phil Aranda		
309	21 - Sidewalk Subgrade: Sidewalk along the East side of Dransfeldt Rd, from Lincoln Ave. to the SW corner of site, test approximately 20' South of Lincoln Ave							0.0	SG	Instrotek / Explorer 3500 / 1899 / 05/04/2023			Tommie Kelly Huff		
310	21 - Sidewalk Subgrade: Sidewalk along the East side of Dransfeldt Rd, from Lincoln Ave. to the SW corner of site, test approximately 110' South of Lincoln Ave							0.0	SG	Instrotek / Explorer 3500 / 1899 / 05/04/2023			Tommie Kelly Huff		
311	21 - Sidewalk Subgrade: Sidewalk along the East side of Dransfeldt Rd, from Lincoln Ave. to the SW corner of site, test approximately 20' North of private road							0.0	SG	Instrotek / Explorer 3500 / 1899 / 05/04/2023			Tommie Kelly Huff		
312	21 - Sidewalk Subgrade: Sidewalk along the East side of Dransfeldt Rd, from Lincoln Ave. to the SW corner of site, test approximately 40' South of private road							0.0	SG	Instrotek / Explorer 3500 / 1899 / 05/04/2023			Tommie Kelly Huff		
313	21 - Sidewalk Subgrade: East side of Dransfeldt Rd, 60'N of Private Rd A							0.0	Finish Grade	Troxler / 3440 / 63528 / 08/26/2022			Dale Griest		
Remarks					Comments										
Pass: Density Pass / Moisture Pass					Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call basis. The test elevations and locations are approximate and are based upon information provided by the Contractor. The lateral and vertical extents of any subexcavation were not measured or verified by this firm. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary compactive effort and moisture conditioning to meet the project specifications.



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminister, CO 80234
Phone: 303.996.2999

Soil Nuclear Gauge

Report Date: 12/23/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results															
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Optimum Moisture Tolerance (%)	Remark
314		12/03/24	7785	B	A-6	11.4	120.0	13.0	115.1	130.1	8	96	95 / 105	1 / 3	Pass
315		12/03/24	7785	B	A-6	11.4	120.0	12.4	117.1	131.6	8	98	95 / 105	1 / 3	Pass
Test Information															
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician		
314	21 - Sidewalk Subgrade: East side of Dransfeldt Rd, 10'N of Private Rd A						0.0	Finish Grade		Troxler / 3440 / 63528 / 08/26/2022			Dale Griest		
315	21 - Sidewalk Subgrade: East side of Dransfeldt Rd, 30'S of Private Rd A						0.0	Finish Grade		Troxler / 3440 / 63528 / 08/26/2022			Dale Griest		
Remarks					Comments										
Pass: Density Pass / Moisture Pass					Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call basis. The test elevations and locations are approximate and are based upon information provided by the Contractor. The lateral and vertical extents of any subexcavation were not measured or verified by this firm. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary compactive effort and moisture conditioning to meet the project specifications.



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Soil Nuclear Gauge

Report Date: 12/23/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
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Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results															
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Optimum Moisture Tolerance (%)	Remark
305		10/23/24	7780	B	A-1	12.7	117.8	11.5	112.7	125.7	8	96	95 / 105	-2 / 2	Pass
306		10/23/24	7780	B	A-1	12.7	117.8	12.2	111.8	125.4	8	95	95 / 105	-2 / 2	Pass
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
305	21 - Curb & Gutter Subgrade: ADA ramp and Curb and gutter approximately 0-25' South of intersection of Lincoln and Dransfeldt Rd. Test approximately 20' South							0.0	SG		Instrotek / Explorer 3500 / 1899 / 05/04/2023			Tommie Kelly Huff	
306	21 - Curb & Gutter Subgrade: ADA ramp and Curb and gutter approximately 0-25' South of intersection of Lincoln and Dransfeldt Rd. Test middle of ADA ramp							0.0	SG		Instrotek / Explorer 3500 / 1899 / 05/04/2023			Tommie Kelly Huff	
Remarks					Comments										
Pass: Density Pass / Moisture Pass					Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

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Soil Nuclear Gauge

Report Date: 12/23/2024
Test Method: ASTM D 6938

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Test Results															
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Optimum Moisture Tolerance (%)	Remark
307		10/30/24	7780	B	A-1	12.7	117.8	11.6	113.2	126.3	8	96	95 / 105	-2 / 2	Pass
308		10/30/24	7780	B	A-1	12.7	117.8	12.3	112.0	125.8	8	95	95 / 105	-2 / 2	Pass
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
307	21 - Base Course: Pavement: Dransfeldt Road, NB turn lane from approximately crossspan at private drive to E Lincoln Ave; Approximately 50' N of Crossspan							0.0	ABC		Troxler / 3440 / 31235 / 03/24/2023			Phil Aranda	
308	21 - Base Course: Pavement: Dransfeldt Road, NB turn lane from approximately crossspan at private drive to E Lincoln Ave; Approximately 150' S of E Lincoln Ave							0.0	ABC		Troxler / 3440 / 31235 / 03/24/2023			Phil Aranda	
Remarks					Comments										
Pass: Density Pass / Moisture Pass					Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call basis. The test elevations and locations are approximate and are based upon information provided by the Contractor. The lateral and vertical extents of any subexcavation were not measured or verified by this firm. The site conditions noted and test results reported apply only to the locations and depths tested at the time of our visit. It remains the Contractor's responsibility to apply the necessary compactive effort and moisture conditioning to meet the project specifications.

Concrete



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 02/28/2024

Sample: 16602

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	1	Technician:	Kory Klinkerman	Batched:	09:28 MST
Specimen Size:	4" X 8"	Cast By:	Kory Klinkerman	Sampled:	10:10 MST
Specimens In Set:	5	Date Cast:	02/19/24	Cast:	10:25 MST
Truck / Ticket #:	1759 / 21077120	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner / Nelson Pipeline	Placement Method:	Chute	Placement Time:	

Location

Placement Location: 34 - Storm Manhole
Location Details: Storm line E, Base for storm manhole E3
Sample Location / Notes: Storm manhole E3 base

Batch Log

Supplier: SRM Concrete
Mix Design: CDOT45070-1
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 1 - 4 (in)

Field Measurements

Weather: Clear	Slump (in): 3-3/4 (ASTM C143)	Plastic Unit Weight: 143.0 (lb/ft³) (ASTM C138)
Air Temperature (F): 41	Concrete Temp (F): 67 (ASTM C1064)	Air Content: 5.2 (ASTM C231)
		Load Volume: 9.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
1-1	7	02/26/24	1 / 6	4.00	12.57	51,620	4,110	2		N
1-2	28	03/18/24	1 / 27							
1-3	28	03/18/24	1 / 27							
1-4	28	03/18/24	1 / 27							
1-5	56 H	04/15/24	1 / 55							

Capping Methods

Tested By: John Pawlik (1)

Checked In : 02/20/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 03/01/2024

Sample: 16633

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	2	Technician:	Aaron Smith	Batched:	09:20 MST
Specimen Size:	4" X 8"	Cast By:	Aaron Smith	Sampled:	10:30 MST
Specimens In Set:	5	Date Cast:	02/22/24	Cast:	10:45 MST
Truck / Ticket #:	1802 / 2138329	Sampled From:	Chute	Truck Empty:	11:20 MST
Contractor:	Waner / Nelson Pipeline	Placement Method:	Chute	Placement Time:	120 (min)

Location

Placement Location: 34 - Storm Manhole
Location Details: Storm Manhole E4 Base. Storm Line E at approximate station 4+85
Sample Location / Notes: Storm Manhole E4 Base

Batch Log

Supplier: SRM Concrete Mix Design: CDOT45070-1
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 1 - 4 (in)

Field Measurements

Weather: Overcast Slump (in): 4 (ASTM C143) Plastic Unit Weight: 141.2 (lb/ft³) (ASTM C138)
Air Temperature (F): 38 Concrete Temp (F): 75 (ASTM C1064) Air Content: 6.3 (ASTM C231)
Load Volume: 9.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
2-1	7	02/29/24	4 / 3	4.00	12.57	43,490	3,460	3		N
2-2	28	03/21/24	4 / 24							
2-3	28	03/21/24	4 / 24							
2-4	28	03/21/24	4 / 24							
2-5	56 H	04/18/24	4 / 52							

Capping Methods

Tested By: John Pawlik (1)

Checked In : 02/26/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 01/21/2025

Sample: 18479

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

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3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	72	Technician:	Julia Bishop	Batched:	09:16 MDT
Specimen Size:	4" X 8"	Cast By:	Julia Bishop	Sampled:	10:30 MDT
Specimens In Set:	5	Date Cast:	10/18/24	Cast:	10:50 MDT
Truck / Ticket #:	C8005 / 20678711	Sampled From:	Chute	Truck Empty:	11:02 MDT
Contractor:	Waner	Placement Method:	Chute	Placement Time:	106 (min)

Location

Placement Location: 30 - Curb and Gutter
 Location Details: East side of Dransfeldt from 15'N of the SWC of site to Lincoln Ave.
 Sample Location / Notes: South half
 2nd truck-3.5 Slump/6.8 Air/59 degrees/140.0 Unit Weight

Batch Log

Supplier: Burnco Mix Design: 45C1C1C4C.
 On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
 Air: 5 - 8 (%)
 Slump: 1 - 4 (in)

Field Measurements

Weather: Slump (in): 4 (ASTM C143) Plastic Unit Weight: 139.6 (lb/ft³) (ASTM C138)
 Air Temperature (F): Concrete Temp (F): 58 (ASTM C1064) Air Content: 6.2 (ASTM C231)
 Load Volume: 10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
72-1	7	10/25/24	5 / 2	4.00	12.57	41,820	3,330	2		N
72-2	28	11/15/24	5 / 23	4.00	12.57	60,430	4,810	2	PS	N
72-3	28	11/15/24	5 / 23	4.00	12.57	63,640	5,060	2	PS	N
72-4	28	11/15/24	5 / 23	4.00	12.57	64,890	5,160	2	PS	N
72-5	56 H	12/13/24	5 / 51							

Test Age Average Strengths (psi): 7 Day - 3330, 28 Day - 5010

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.
 Tested By: John Pawlik (1,2,3,4,5)
 Checked In : 10/23/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 01/21/2025

Sample: 18487

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	70	Technician:	Phil Aranda	Batched:	06:25 MDT
Specimen Size:	4" X 8"	Cast By:	Phil Aranda	Sampled:	07:29 MDT
Specimens In Set:	5	Date Cast:	10/21/24	Cast:	07:41 MDT
Truck / Ticket #:	1120 / 20678910	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner	Placement Method:	Chute	Placement Time:	

Location

Placement Location: 30 - Curb and Gutter
Location Details: E side of Dransfeldt Road, approximately 50' S of Lincoln Ave to approximately 120' S of Lincoln Ave
Sample Location / Notes: E side of Dransfeldt Road, approximately 50' S of Lincoln Ave to approximately 120' S of Lincoln Ave

Batch Log

Supplier: Burnco Mix Design: 45C1C1C4C.
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 3 - 5 (in)

Field Measurements

Weather: Cloudy Slump (in): 4 (ASTM C143) Plastic Unit Weight: 140.0 (lb/ft³) (ASTM C138)
Air Temperature (F): 49 Concrete Temp (F): 68 (ASTM C1064) Air Content: 7.2 (ASTM C231)
Load Volume: 10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
70-1	7	10/28/24	1 / 6	4.00	12.57	43,380	3,450	2		N
70-2	28	11/18/24	1 / 27	4.00	12.57	64,220	5,110	2	PS	N
70-3	28	11/18/24	1 / 27	4.00	12.57	62,140	4,940	2	PS	N
70-4	28	11/18/24	1 / 27	4.00	12.57	58,890	4,690	2	PS	N
70-5	56 H	12/16/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 4910

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4,5)

Checked In : 10/22/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 01/21/2025
Sample: 18496

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	71	Technician:	Tommie Kelly Huff	Batched:	07:58 MDT
Specimen Size:	4" X 8"	Cast By:	Tommie Kelly Huff	Sampled:	08:55 MDT
Specimens In Set:	5	Date Cast:	10/22/24	Cast:	09:10 MDT
Truck / Ticket #:	1203 / 20679340	Sampled From:	Chute	Truck Empty:	
Contractor:		Placement Method:	Chute	Placement Time:	

Location

Placement Location: 30 - Curb and Gutter
Location Details: Curb and gutter approximately 0-5' North and South of Crossspan at intersection of Private road A and Dransfeldt Rd.
Crossspan at intersection of Private road A and Dransfeldt Rd.
Sample Location / Notes: Curb and gutter approximately 5' South of Crossspan at intersection of Private road A and Dransfeldt Rd.

Batch Log

Supplier: Burnco
Mix Design: 45C1C1C4C.
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 3 - 5 (in)

Field Measurements

Weather: Partly Cloudy	Slump (in): 4-1/2 (ASTM C143)	Plastic Unit Weight: 142.0 (lb/ft ³) (ASTM C138)
Air Temperature (F): 62	Concrete Temp (F): 68 (ASTM C1064)	Air Content: 5.8 (ASTM C231)
		Load Volume: 5.00 (yd ³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
71-1	7	10/29/24	1 / 6	4.00	12.57	50,940	4,050	2		N
71-2	28	11/19/24	1 / 27	4.00	12.57	62,820	5,000	2	PS	N
71-3	28	11/19/24	1 / 27	4.00	12.57	66,030	5,250	2	PS	N
71-4	28	11/19/24	1 / 27	4.00	12.57	65,480	5,210	2	PS	N
71-5	56 H	12/17/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 5150

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.
Tested By: John Pawlik (1,2,3,4,5)
Checked In : 10/23/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)

General Remarks

Truck #1183 tested with results 4.25", 68 degrees, 35.4lbs and 6% air.



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 01/21/2025
Sample: 18518

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	73	Technician:	Tommie Kelly Huff	Batched:	07:34 MDT
Specimen Size:	4" X 8"	Cast By:	Tommie Kelly Huff	Sampled:	08:35 MDT
Specimens In Set:	5	Date Cast:	10/23/24	Cast:	08:50 MDT
Truck / Ticket #:	1361 / 20679717	Sampled From:	Chute	Truck Empty:	
Contractor:		Placement Method:	Chute	Placement Time:	

Location

Placement Location: 30 - Curb and Gutter
Location Details: ADA ramp and Curb and gutter approximately 0-25' South of intersection of Lincoln and Dransfeldt Rd.
Sample Location / Notes: Curb and gutter at the intersection of Lincoln and Dransfeldt Rd.

Batch Log

Supplier: Burnco
On-Site Admixtures: None
Mix Design: 45C1C1C4C.

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 3 - 5 (in)

Field Measurements

Weather: Partly Cloudy
Air Temperature (F): 60
Slump (in): 3 (ASTM C143)
Concrete Temp (F): 68 (ASTM C1064)
Plastic Unit Weight: 144.0 (lb/ft³) (ASTM C138)
Air Content: 5.0 (ASTM C231)
Load Volume: 10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
73-1	7	10/30/24	1 / 6	4.00	12.57	50,280	4,000	2		N
73-2	28	11/20/24	1 / 27	4.00	12.57	68,670	5,460	2	PS	N
73-3	28	11/20/24	1 / 27	4.00	12.57	71,020	5,650	2	PS	N
73-4	28	11/20/24	1 / 27	4.00	12.57	74,340	5,910	2	PS	N
73-5	56 H	12/18/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 5680

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4,5)

Checked In : 10/24/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)

General Remarks

Second truck tested and results were a 3.5" slump, 35.8lbs, 66 degrees and 5.4%



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 01/21/2025

Sample: 18537

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #: 74	Technician: Tommie Kelly Huff	Batched: 06:40 MDT
Specimen Size: 4" X 8"	Cast By: Tommie Kelly Huff	Sampled: 07:37 MDT
Specimens In Set: 5	Date Cast: 10/24/24	Cast: 07:50 MDT
Truck / Ticket #: 1122 / 20680068	Sampled From: Chute	Truck Empty:
Contractor:	Placement Method: Chute	Placement Time:

Location

Placement Location: 30 - Curb and Gutter
Location Details: Sidewalk along the North side of Private road A approximate stations: 3+00 to 4+50
Sample Location / Notes: Sidewalk along the North side of Private road A approximate stations: 3+00

Batch Log

Supplier: Burnco
Mix Design: 45C1C1C4C.
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 3 - 5 (in)

Field Measurements

Weather: Partly Cloudy
Air Temperature (F): 60
Slump (in): 4-1/2 (ASTM C143)
Concrete Temp (F): 72 (ASTM C1064)
Plastic Unit Weight: 140.8 (lb/ft³) (ASTM C138)
Air Content: 6.0 (ASTM C231)
Load Volume: 10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
74-1	7	10/31/24	1 / 6	4.00	12.57	43,350	3,450	2		N
74-2	28	11/21/24	1 / 27	4.00	12.57	61,260	4,870	2	PS	N
74-3	28	11/21/24	1 / 27	4.00	12.57	60,280	4,800	2	PS	N
74-4	28	11/21/24	1 / 27	4.00	12.57	61,090	4,860	2	PS	N
74-5	56 H	12/19/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 4840

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4,5)

Checked In : 10/25/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 03/18/2024

Sample: 16602

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	1	Technician:	Kory Klinkerman	Batched:	09:28 MST
Specimen Size:	4" X 8"	Cast By:	Kory Klinkerman	Sampled:	10:10 MST
Specimens In Set:	5	Date Cast:	02/19/24	Cast:	10:25 MST
Truck / Ticket #:	1759 / 21077120	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner / Nelson Pipeline	Placement Method:	Chute	Placement Time:	

Location

Placement Location: 34 - Storm Manhole
Location Details: Storm line E, Base for storm manhole E3
Sample Location / Notes: Storm manhole E3 base

Batch Log

Supplier: SRM Concrete Mix Design: CDOT45070-1
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 1 - 4 (in)

Field Measurements

Weather:	Clear	Slump (in):	3-3/4 (ASTM C143)	Plastic Unit Weight:	143.0 (lb/ft³) (ASTM C138)
Air Temperature (F):	41	Concrete Temp (F):	67 (ASTM C1064)	Air Content:	5.2 (ASTM C231)
				Load Volume:	9.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
1-1	7	02/26/24	1 / 6	4.00	12.57	51,620	4,110	2		N
1-2	28	03/18/24	1 / 27	4.00	12.57	64,770	5,150	3	PS	N
1-3	28	03/18/24	1 / 27	4.00	12.57	61,030	4,860	3	PS	N
1-4	28	03/18/24	1 / 27	4.00	12.57	62,980	5,010	3	PS	N
1-5	56 H	04/15/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 5010

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 02/20/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 02/28/2024

Sample: 16602

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	1	Technician:	Kory Klinkerman	Batched:	09:28 MST
Specimen Size:	4" X 8"	Cast By:	Kory Klinkerman	Sampled:	10:10 MST
Specimens In Set:	5	Date Cast:	02/19/24	Cast:	10:25 MST
Truck / Ticket #:	1759 / 21077120	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner / Nelson Pipeline	Placement Method:	Chute	Placement Time:	

Location

Placement Location: 34 - Storm Manhole
Location Details: Storm line E, Base for storm manhole E3
Sample Location / Notes: Storm manhole E3 base

Batch Log

Supplier: SRM Concrete
Mix Design: CDOT45070-1
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 1 - 4 (in)

Field Measurements

Weather: Clear	Slump (in): 3-3/4 (ASTM C143)	Plastic Unit Weight: 143.0 (lb/ft³) (ASTM C138)
Air Temperature (F): 41	Concrete Temp (F): 67 (ASTM C1064)	Air Content: 5.2 (ASTM C231)
		Load Volume: 9.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
1-1	7	02/26/24	1 / 6	4.00	12.57	51,620	4,110	2		N
1-2	28	03/18/24	1 / 27							
1-3	28	03/18/24	1 / 27							
1-4	28	03/18/24	1 / 27							
1-5	56 H	04/15/24	1 / 55							

Capping Methods

Tested By: John Pawlik (1)

Checked In : 02/20/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 03/26/2024
Sample: 16633

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	2	Technician:	Aaron Smith	Batched:	09:20 MST
Specimen Size:	4" X 8"	Cast By:	Aaron Smith	Sampled:	10:30 MST
Specimens In Set:	5	Date Cast:	02/22/24	Cast:	10:45 MST
Truck / Ticket #:	1802 / 2138329	Sampled From:	Chute	Truck Empty:	11:20 MST
Contractor:	Waner / Nelson Pipeline	Placement Method:	Chute	Placement Time:	120 (min)

Location

Placement Location: 34 - Storm Manhole
Location Details: Storm Manhole E4 Base. Storm Line E at approximate station 4+85
Sample Location / Notes: Storm Manhole E4 Base

Batch Log

Supplier: SRM Concrete Mix Design: CDOT45070-1
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 1 - 4 (in)

Field Measurements

Weather: Overcast Slump (in): 4 (ASTM C143) Plastic Unit Weight: 141.2 (lb/ft³) (ASTM C138)
Air Temperature (F): 38 Concrete Temp (F): 75 (ASTM C1064) Air Content: 6.3 (ASTM C231)
Load Volume: 9.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
2-1	7	02/29/24	4 / 3	4.00	12.57	43,490	3,460	3		N
2-2	28	03/21/24	4 / 24	4.00	12.57	62,320	4,960	3	PS	N
2-3	28	03/21/24	4 / 24	4.00	12.57	60,530	4,820	3	PS	N
2-4	28	03/21/24	4 / 24	4.00	12.57	60,880	4,840	2	PS	N
2-5	56 H	04/18/24	4 / 52							

Test Age Average Strengths (psi): 28 Day - 4870

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 02/26/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 03/26/2024

Sample: 16775

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	3	Technician:	Elizabeth Beierle	Batched:	10:41 MDT
Specimen Size:	4" X 8"	Cast By:	Elizabeth Beierle	Sampled:	11:30 MDT
Specimens In Set:	5	Date Cast:	03/13/24	Cast:	11:45 MDT
Truck / Ticket #:	9611 / 98019452	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner	Placement Method:	Chute	Placement Time:	

Location

Placement Location:	34 - Storm - Other
Location Details:	Outlet structure in pond, base of structure
Sample Location / Notes:	Base for outlet structure in pond

Batch Log

Supplier:	Aggregate Industries	Mix Design:	7456120	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	1 - 4 (in)

Field Measurements

Weather:	Slump (in):	3-3/4 (ASTM C143)	Plastic Unit Weight:	
Air Temperature (F): 45	Concrete Temp (F):	68 (ASTM C1064)	Air Content:	6.7 (ASTM C231)
			Load Volume:	5.00 (yd ³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
3-1	7	03/20/24	2 / 5	4.00	12.57	56,260	4,480	3		N
3-2	28	04/10/24	2 / 26							
3-3	28	04/10/24	2 / 26							
3-4	28	04/10/24	2 / 26							
3-5	56 H	05/08/24	2 / 54							

Capping Methods

Tested By: John Pawlik (1)	N: Unbonded Caps (ASTM C1231)
Checked In : 03/15/2024 (1,2,3,4,5)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 04/18/2024

Sample: 16775

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	3	Technician:	Elizabeth Beierle	Batched:	10:41 MDT
Specimen Size:	4" X 8"	Cast By:	Elizabeth Beierle	Sampled:	11:30 MDT
Specimens In Set:	5	Date Cast:	03/13/24	Cast:	11:45 MDT
Truck / Ticket #:	9611 / 98019452	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner	Placement Method:	Chute	Placement Time:	

Location

Placement Location:	34 - Storm - Other
Location Details:	Outlet structure in pond, base of structure
Sample Location / Notes:	Base for outlet structure in pond

Batch Log

Supplier:	Aggregate Industries	Mix Design:	7456120	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	1 - 4 (in)

Field Measurements

Weather:	Slump (in):	3-3/4 (ASTM C143)	Plastic Unit Weight:	
Air Temperature (F): 45	Concrete Temp (F):	68 (ASTM C1064)	Air Content:	6.7 (ASTM C231)
			Load Volume:	5.00 (yd ³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
3-1	7	03/20/24	2 / 5	4.00	12.57	56,260	4,480	3		N
3-2	28	04/10/24	2 / 26	4.00	12.57	65,850	5,240	3	PS	N
3-3	28	04/10/24	2 / 26	4.00	12.57	68,020	5,410	2	PS	N
3-4	28	04/10/24	2 / 26	4.00	12.57	66,570	5,300	2	PS	N
3-5	56 H	05/08/24	2 / 54							

Test Age Average Strengths (psi): 28 Day - 5320

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.	N: Unbonded Caps (ASTM C1231)
Tested By: John Pawlik (1,2,3,4)	
Checked In : 03/15/2024 (1,2,3,4,5)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 04/03/2024

Sample: 16801

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	4	Technician:	Kory Klinkerman	Batched:	08:53 MDT
Specimen Size:	4" X 8"	Cast By:	Kory Klinkerman	Sampled:	10:00 MDT
Specimens In Set:	5	Date Cast:	03/20/24	Cast:	10:15 MDT
Truck / Ticket #:	C810 / 20616895	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner / Nelson Pipeline	Placement Method:	Chute	Placement Time:	

Location

Placement Location: 34 - Sanitary - Other
Location Details: Sanitary tie-in to main line at Manhole A1

Sample Location / Notes: Sampled at tie-in

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	1 - 4 (in)

Field Measurements

Weather:	Clear	Slump (in):	3-1/2 (ASTM C143)	Plastic Unit Weight:	143.0 (lb/ft³) (ASTM C138)
Air Temperature (F):	42	Concrete Temp (F):	72 (ASTM C1064)	Air Content:	5.1 (ASTM C231)
				Load Volume:	6.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
4-1	7	03/27/24	1 / 6	4.00	12.57	51,950	4,130	3		N
4-2	28	04/17/24	1 / 27							
4-3	28	04/17/24	1 / 27							
4-4	28	04/17/24	1 / 27							
4-5	56 H	05/15/24	1 / 55							

Capping Methods

Tested By: John Pawlik (1)	N: Unbonded Caps (ASTM C1231)
Checked In : 03/21/2024 (1,2,3,4,5)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 04/18/2024
Sample: 16801

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	4	Technician:	Kory Klinkerman	Batched:	08:53 MDT
Specimen Size:	4" X 8"	Cast By:	Kory Klinkerman	Sampled:	10:00 MDT
Specimens In Set:	5	Date Cast:	03/20/24	Cast:	10:15 MDT
Truck / Ticket #:	C810 / 20616895	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner / Nelson Pipeline	Placement Method:	Chute	Placement Time:	

Location

Placement Location: 34 - Sanitary - Other
Location Details: Sanitary tie-in to main line at Manhole A1
Sample Location / Notes: Sampled at tie-in

Batch Log

Supplier: Burnco Mix Design: 45C1C1C4C.
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 1 - 4 (in)

Field Measurements

Weather:	Clear	Slump (in):	3-1/2 (ASTM C143)	Plastic Unit Weight:	143.0 (lb/ft³) (ASTM C138)
Air Temperature (F):	42	Concrete Temp (F):	72 (ASTM C1064)	Air Content:	5.1 (ASTM C231)
				Load Volume:	6.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
4-1	7	03/27/24	1 / 6	4.00	12.57	51,950	4,130	3		N
4-2	28	04/17/24	1 / 27	4.00	12.57	65,340	5,200	2	PS	N
4-3	28	04/17/24	1 / 27	4.00	12.57	65,640	5,220	2	PS	N
4-4	28	04/17/24	1 / 27	4.00	12.57	68,900	5,480	2	PS	N
4-5	56 H	05/15/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 5300

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 03/21/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 04/03/2024
Sample: 16815

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	5	Technician:	Aaron Smith	Batched:	12:09 MDT
Specimen Size:	4" X 8"	Cast By:	Aaron Smith	Sampled:	13:00 MDT
Specimens In Set:	6	Date Cast:	03/21/24	Cast:	13:15 MDT
Truck / Ticket #:	9223 / 98019654	Sampled From:	Chute	Truck Empty:	13:40 MDT
Contractor:	Inlet Structures	Placement Method:	Bucket	Placement Time:	91 (min)

Location

Placement Location: 34 - Storm - Other
Location Details: EDB Outlet Control Structure Walls
Sample Location / Notes: Sampled from north side of structure

Batch Log

Supplier: Aggregate Industries Mix Design: 7456120
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 1 - 4 (in)

Field Measurements

Weather:	Clear	Slump (in):	3-1/4 (ASTM C143)	Plastic Unit Weight:	137.2 (lb/ft³) (ASTM C138)
Air Temperature (F):	62	Concrete Temp (F):	72 (ASTM C1064)	Air Content:	7.6 (ASTM C231)
				Load Volume:	5.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
5-1	7	03/28/24	1 / 6	4.00	12.57	51,320	4,080	2		N
5-2	28	04/18/24	1 / 27							
5-3	28	04/18/24	1 / 27							
5-4	28	04/18/24	1 / 27							
5-5	56 H	05/16/24	1 / 55							
5-6	56 H	05/16/24	1 / 55							

Capping Methods

Tested By: John Pawlik (1)

Checked In : 03/22/2024 (1,2,3,4,5,6)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 04/18/2024

Sample: 16815

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	5	Technician:	Aaron Smith	Batched:	12:09 MDT
Specimen Size:	4" X 8"	Cast By:	Aaron Smith	Sampled:	13:00 MDT
Specimens In Set:	6	Date Cast:	03/21/24	Cast:	13:15 MDT
Truck / Ticket #:	9223 / 98019654	Sampled From:	Chute	Truck Empty:	13:40 MDT
Contractor:	Inlet Structures	Placement Method:	Bucket	Placement Time:	91 (min)

Location

Placement Location:	34 - Storm - Other
Location Details:	EDB Outlet Control Structure Walls
Sample Location / Notes:	Sampled from north side of structure

Batch Log

Supplier:	Aggregate Industries	Mix Design:	7456120
On-Site Admixtures:	None		

Specifications

Strength:	4500 (psi)
Air:	5 - 8 (%)
Slump:	1 - 4 (in)

Field Measurements

Weather:	Clear	Slump (in):	3-1/4 (ASTM C143)	Plastic Unit Weight:	137.2 (lb/ft³) (ASTM C138)
Air Temperature (F):	62	Concrete Temp (F):	72 (ASTM C1064)	Air Content:	7.6 (ASTM C231)
				Load Volume:	5.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
5-1	7	03/28/24	1 / 6	4.00	12.57	51,320	4,080	2		N
5-2	28	04/18/24	1 / 27	4.00	12.57	57,910	4,610	2	PS	N
5-3	28	04/18/24	1 / 27	4.00	12.57	62,330	4,960	2	PS	N
5-4	28	04/18/24	1 / 27	4.00	12.57	56,700	4,510	2	PS	N
5-5	56 H	05/16/24	1 / 55							
5-6	56 H	05/16/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 4690

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 03/22/2024 (1,2,3,4,5,6)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 05/03/2024
Sample: 16885

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	6	Technician:	Kyle Rynearson	Batched:	11:41 MDT
Specimen Size:	4" X 8"	Cast By:	Kyle Rynearson	Sampled:	12:55 MDT
Specimens In Set:	6	Date Cast:	03/29/24	Cast:	13:10 MDT
Truck / Ticket #:	9259 / 98019976	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner / Inlet Structures	Placement Method:		Placement Time:	

Location

Placement Location: 34 - Storm - Other
Location Details: Storm Pond Forebay slab
Sample Location / Notes: Southern half of slab.

Batch Log

Supplier: Aggregate Industries Mix Design: 7456120
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 1 - 4 (in)

Field Measurements

Weather:	Partly cloudy	Slump (in):	3 (ASTM C143)	Plastic Unit Weight:	143.2 (lb/ft³) (ASTM C138)
Air Temperature (F):	53	Concrete Temp (F):	70 (ASTM C1064)	Air Content:	5.5 (ASTM C231)
				Load Volume:	7.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
6-1	7	04/05/24	1 / 6	4.00	12.57	65,980	5,250	2		N
6-2	28	04/26/24	1 / 27	4.00	12.57	85,360	6,790	3	PS	N
6-3	28	04/26/24	1 / 27	4.00	12.57	80,750	6,420	3	PS	N
6-4	28	04/26/24	1 / 27	4.00	12.57	80,390	6,400	3	PS	N
6-5	28 FC	04/26/24	/							
6-6	56 H	05/24/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 6540

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

N: Unbonded Caps (ASTM C1231)

Tested By: John Pawlik (1,2,3,4)

Checked In : 03/30/2024 (1,2,3,4,6)

General Remarks

2nd truck: 6.8% air content

Field cure compressive strength on 4/2/24 = 5,128 psi

6-6: Second truck air - 6.8%



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 04/18/2024

Sample: 16885

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	6	Technician:	Kyle Rynearson	Batched:	11:41 MDT
Specimen Size:	4" X 8"	Cast By:	Kyle Rynearson	Sampled:	12:55 MDT
Specimens In Set:	6	Date Cast:	03/29/24	Cast:	13:10 MDT
Truck / Ticket #:	9259 / 98019976	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner / Inlet Structures	Placement Method:		Placement Time:	

Location

Placement Location: 34 - Storm - Other
Location Details: Storm Pond Forebay slab
Sample Location / Notes: Southern half of slab.

Batch Log

Supplier: Aggregate Industries Mix Design: 7456120
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 1 - 4 (in)

Field Measurements

Weather: Partly cloudy Slump (in): 3 (ASTM C143) Plastic Unit Weight: 143.2 (lb/ft³) (ASTM C138)
Air Temperature (F): 53 Concrete Temp (F): 70 (ASTM C1064) Air Content: 5.5 (ASTM C231)
Load Volume: 7.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
6-1	7	04/05/24	1 / 6	4.00	12.57	65,980	5,250	2		N
6-2	28	04/26/24	1 / 27							
6-3	28	04/26/24	1 / 27							
6-4	28	04/26/24	1 / 27							
6-5	28 FC	04/26/24	/							
6-6	56 H	05/24/24	1 / 55							

Capping Methods

Tested By: John Pawlik (1)
Checked In : 03/30/2024 (1,2,3,4,6)
N: Unbonded Caps (ASTM C1231)

General Remarks

2nd truck: 6.8% air content

Field cure compressive strength on 4/2/24 = 5,128 psi

6-6: Second truck air - 6.8%



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 04/18/2024
Sample: 16935

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	7	Technician:	Aaron Smith	Batched:	08:51 MDT
Specimen Size:	4" X 8"	Cast By:	Aaron Smith	Sampled:	09:30 MDT
Specimens In Set:	5	Date Cast:	04/04/24	Cast:	09:45 MDT
Truck / Ticket #:	9104 / 98020156	Sampled From:	Chute	Truck Empty:	10:00 MDT
Contractor:	Waner / Inlet Structures	Placement Method:	Bucket	Placement Time:	69 (min)

Location

Placement Location: 34 - Storm - Other
Location Details: Detention Pond Forebay Walls
Sample Location / Notes: Sampled from south wall

Batch Log

Supplier: Aggregate Industries Mix Design: 7456120
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 1 - 4 (in)

Field Measurements

Weather:	Clear	Slump (in):	3-1/2 (ASTM C143)	Plastic Unit Weight:	140.0 (lb/ft³) (ASTM C138)
Air Temperature (F):	50	Concrete Temp (F):	73 (ASTM C1064)	Air Content:	5.9 (ASTM C231)
				Load Volume:	9.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
7-1	7	04/11/24	1 / 6	4.00	12.57	56,170	4,470	2		N
7-2	28	05/02/24	1 / 27							
7-3	28	05/02/24	1 / 27							
7-4	28	05/02/24	1 / 27							
7-5	56 H	05/30/24	1 / 55							

Capping Methods

Tested By: John Pawlik (1)

Checked In : 04/05/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 05/03/2024

Sample: 16935

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	7	Technician:	Aaron Smith	Batched:	08:51 MDT
Specimen Size:	4" X 8"	Cast By:	Aaron Smith	Sampled:	09:30 MDT
Specimens In Set:	5	Date Cast:	04/04/24	Cast:	09:45 MDT
Truck / Ticket #:	9104 / 98020156	Sampled From:	Chute	Truck Empty:	10:00 MDT
Contractor:	Waner / Inlet Structures	Placement Method:	Bucket	Placement Time:	69 (min)

Location

Placement Location: 34 - Storm - Other
Location Details: Detention Pond Forebay Walls
Sample Location / Notes: Sampled from south wall

Batch Log

Supplier: Aggregate Industries Mix Design: 7456120
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 1 - 4 (in)

Field Measurements

Weather:	Clear	Slump (in):	3-1/2 (ASTM C143)	Plastic Unit Weight:	140.0 (lb/ft³) (ASTM C138)
Air Temperature (F):	50	Concrete Temp (F):	73 (ASTM C1064)	Air Content:	5.9 (ASTM C231)
				Load Volume:	9.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
7-1	7	04/11/24	1 / 6	4.00	12.57	56,170	4,470	2		N
7-2	28	05/02/24	1 / 27	4.00	12.57	74,660	5,940	2	PS	N
7-3	28	05/02/24	1 / 27	4.00	12.57	72,840	5,800	2	PS	N
7-4	28	05/02/24	1 / 27	4.00	12.57	72,750	5,790	2	PS	N
7-5	56 H	05/30/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 5840

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 04/05/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 05/14/2024

Sample: 17002

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	8	Technician:	Mario Carrion	Batched:	07:21 MDT
Specimen Size:	4" X 8"	Cast By:	Mario Carrion	Sampled:	08:30 MDT
Specimens In Set:	5	Date Cast:	04/12/24	Cast:	08:41 MDT
Truck / Ticket #:	165 / 84636905	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner / Inlet Structures	Placement Method:	Chute	Placement Time:	

Location

Placement Location: 30 - Trickle Channel
Location Details: Approximately 120' of Trickle Channel in Pond, North of Forebay
Sample Location / Notes: South end of Trickle Channel, 15' North of Forebay

Batch Log

Supplier: HOLCIM Mix Design: 7456120
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 3 - 5 (in)

Field Measurements

Weather: Partly Cloudy Slump (in): 4-1/2 (ASTM C143) Plastic Unit Weight: 140.8 (lb/ft³) (ASTM C138)
Air Temperature (F): 48 Concrete Temp (F): 70 (ASTM C1064) Air Content: 7.5 (ASTM C231)
Load Volume: 10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
8-1	7	04/19/24	1 / 6	4.00	12.57	61,240	4,870	2		N
8-2	28	05/10/24	1 / 27	4.00	12.57	82,520	6,570	2	PS	N
8-3	28	05/10/24	1 / 27	4.00	12.57	83,890	6,670	3	PS	N
8-4	28	05/10/24	1 / 27	4.00	12.57	84,260	6,700	2	PS	N
8-5	56 H	06/07/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 6650

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

N: Unbonded Caps (ASTM C1231)

Tested By: John Pawlik (1,2,3,4)

Checked In : 04/13/2024 (1,2,3,4,5)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 05/03/2024
Sample: 17002

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	8	Technician:	Mario Carrion	Batched:	07:21 MDT
Specimen Size:	4" X 8"	Cast By:	Mario Carrion	Sampled:	08:30 MDT
Specimens In Set:	5	Date Cast:	04/12/24	Cast:	08:41 MDT
Truck / Ticket #:	165 / 84636905	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner / Inlet Structures	Placement Method:	Chute	Placement Time:	

Location

Placement Location: 30 - Trickle Channel
Location Details: Approximately 120' of Trickle Channel in Pond, North of Forebay
Sample Location / Notes: South end of Trickle Channel, 15' North of Forebay

Batch Log

Supplier: HOLCIM
Mix Design: 7456120
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 3 - 5 (in)

Field Measurements

Weather: Partly Cloudy	Slump (in): 4-1/2 (ASTM C143)	Plastic Unit Weight: 140.8 (lb/ft³) (ASTM C138)
Air Temperature (F): 48	Concrete Temp (F): 70 (ASTM C1064)	Air Content: 7.5 (ASTM C231)
		Load Volume: 10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
8-1	7	04/19/24	1 / 6	4.00	12.57	61,240	4,870	2		N
8-2	28	05/10/24	1 / 27							
8-3	28	05/10/24	1 / 27							
8-4	28	05/10/24	1 / 27							
8-5	56 H	06/07/24	1 / 55							

Capping Methods

Tested By: John Pawlik (1)

Checked In : 04/13/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 05/14/2024

Sample: 17003

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	9	Technician:	Mario Carrion	Batched:	08:49 MDT
Specimen Size:	4" X 8"	Cast By:	Mario Carrion	Sampled:	10:12 MDT
Specimens In Set:	5	Date Cast:	04/12/24	Cast:	10:22 MDT
Truck / Ticket #:	C8012 / 20623055	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner / Inlet Structures	Placement Method:	Chute	Placement Time:	

Location

Placement Location: 34 - Storm Manhole
Location Details: Storm MH A1 Base
Sample Location / Notes: MH A-1 Base

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	3 - 5 (in)

Specifications

Field Measurements

Weather:	Partly Cloudy	Slump (in):	3 (ASTM C143)	Plastic Unit Weight:	144.0 (lb/ft³) (ASTM C138)
Air Temperature (F):	52	Concrete Temp (F):	74 (ASTM C1064)	Air Content:	5.1 (ASTM C231)
				Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
9-1	7	04/19/24	1 / 6	4.00	12.57	55,910	4,450	3		N
9-2	28	05/10/24	1 / 27	4.00	12.57	70,210	5,590	2	PS	N
9-3	28	05/10/24	1 / 27	4.00	12.57	75,210	5,980	2	PS	N
9-4	28	05/10/24	1 / 27	4.00	12.57	73,150	5,820	3	PS	N
9-5	56 H	06/07/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 5800

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.	N: Unbonded Caps (ASTM C1231)
Tested By: John Pawlik (1,2,3,4)	
Checked In : 04/13/2024 (1,2,3,4,5)	

General Remarks

Initial test was 3.5% A/E. Air pack added and retested with passing results.



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 05/03/2024

Sample: 17051

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	10	Technician:	Aaron Smith	Batched:	12:53 MDT
Specimen Size:	4" X 8"	Cast By:	Aaron Smith	Sampled:	13:30 MDT
Specimens In Set:	5	Date Cast:	04/17/24	Cast:	13:45 MDT
Truck / Ticket #:	169 / 98020984	Sampled From:	Chute	Truck Empty:	14:00 MDT
Contractor:	Waner / Inlet Structures	Placement Method:	Chute	Placement Time:	67 (min)

Location

Placement Location: 30 - Trickle Channel
Location Details: North half of trickle channel in pond
Sample Location / Notes: Sampled from the south end of pour

Batch Log

Supplier: Aggregate Industries Mix Design: 7456120
On-Site Admixtures: 4.00 Oz AEA-Air Entraining Admixture (9 yd³)

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 3 - 5 (in)

Field Measurements

Weather: Partly Cloudy Slump (in): 4 (ASTM C143) Plastic Unit Weight: 138.8 (lb/ft³) (ASTM C138)
Air Temperature (F): 70 Concrete Temp (F): 78 (ASTM C1064) Air Content: 6.2 (ASTM C231)
Load Volume: 10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
10-1	7	04/24/24	2 / 5	4.00	12.57	53,230	4,240	3		N
10-2	28	05/15/24	2 / 26							
10-3	28	05/15/24	2 / 26							
10-4	28	05/15/24	2 / 26							
10-5	56 H	06/12/24	2 / 54							

Capping Methods

Tested By: John Pawlik (1)
Checked In : 04/19/2024 (1,2,3,4,5)
N: Unbonded Caps (ASTM C1231)

General Remarks

Initial air content of 4.6%. Retested with passing results.



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 05/23/2024

Sample: 17051

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	10	Technician:	Aaron Smith	Batched:	12:53 MDT
Specimen Size:	4" X 8"	Cast By:	Aaron Smith	Sampled:	13:30 MDT
Specimens In Set:	5	Date Cast:	04/17/24	Cast:	13:45 MDT
Truck / Ticket #:	169 / 98020984	Sampled From:	Chute	Truck Empty:	14:00 MDT
Contractor:	Waner / Inlet Structures	Placement Method:	Chute	Placement Time:	67 (min)

Location

Placement Location: 30 - Trickle Channel
Location Details: North half of trickle channel in pond
Sample Location / Notes: Sampled from the south end of pour

Batch Log

Supplier: Aggregate Industries Mix Design: 7456120
On-Site Admixtures: 4.00 Oz AEA-Air Entraining Admixture (9 yd³)

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 3 - 5 (in)

Field Measurements

Weather:	Partly Cloudy	Slump (in):	4 (ASTM C143)	Plastic Unit Weight:	138.8 (lb/ft ³) (ASTM C138)
Air Temperature (F):	70	Concrete Temp (F):	78 (ASTM C1064)	Air Content:	6.2 (ASTM C231)
				Load Volume:	10.00 (yd ³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
10-1	7	04/24/24	2 / 5	4.00	12.57	53,230	4,240	3		N
10-2	28	05/15/24	2 / 26	4.00	12.57	64,750	5,150	3	PS	N
10-3	28	05/15/24	2 / 26	4.00	12.57	68,620	5,460	2	PS	N
10-4	28	05/15/24	2 / 26	4.00	12.57	70,830	5,640	2	PS	N
10-5	56 H	06/12/24	2 / 54							

Test Age Average Strengths (psi): 28 Day - 5420

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 04/19/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)

General Remarks

Initial air content of 4.6%. Retested with passing results.



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 05/03/2024

Sample: 17055

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	11	Technician:	Aaron Smith	Batched:	12:28 MDT
Specimen Size:	4" X 8"	Cast By:	Aaron Smith	Sampled:	14:00 MDT
Specimens In Set:	5	Date Cast:	04/17/24	Cast:	14:15 MDT
Truck / Ticket #:	1187 / 20624413	Sampled From:	Chute	Truck Empty:	14:15 MDT
Contractor:	Waner	Placement Method:	Bucket	Placement Time:	107 (min)

Location

Placement Location: 34 - Storm Manhole
Location Details: Manhole E3 Base: Storm line E, station 1+61.
Sample Location / Notes: Manhole E3 Base: Storm line E, station 1+61.

Batch Log

Supplier: Burnco Mix Design: 45C1C1C4C.
On-Site Admixtures: 8.00 Oz AEA-Air Entraining Admixture (6 yd³), 15.00 Gal Water (6 yd³)

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 3 - 5 (in)

Field Measurements

Weather:	Partly Cloudy	Slump (in):	3-1/2 (ASTM C143)	Plastic Unit Weight:	139.6 (lb/ft ³) (ASTM C138)
Air Temperature (F):	70	Concrete Temp (F):	82 (ASTM C1064)	Air Content:	6.1 (ASTM C231)
				Load Volume:	7.00 (yd ³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
11-1	7	04/24/24	2 / 5	4.00	12.57	43,990	3,500	3		N
11-2	28	05/15/24	2 / 26							
11-3	28	05/15/24	2 / 26							
11-4	28	05/15/24	2 / 26							
11-5	56 H	06/12/24	2 / 54							

Capping Methods

Tested By: John Pawlik (1)

Checked In : 04/19/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)

General Remarks

Initial air content of 3.3%. Air pack added and retested with passing results.



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 05/03/2024

Sample: 17072

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	12	Technician:	Aaron Smith	Batched:	11:57 MDT
Specimen Size:	4" X 8"	Cast By:	Aaron Smith	Sampled:	13:00 MDT
Specimens In Set:	5	Date Cast:	04/19/24	Cast:	13:15 MDT
Truck / Ticket #:	1379 / 20625243	Sampled From:	Chute	Truck Empty:	13:25 MDT
Contractor:	Waner	Placement Method:	Chute	Placement Time:	88 (min)

Location

Placement Location:	34 - Storm Manhole
Location Details:	Storm Manhole C2 Base, approximate station 1+73
Sample Location / Notes:	Manhole C2 Base, approximate station 1+73

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.
On-Site Admixtures:	None		

Specifications

Strength:	4500 (psi)
Air:	5 - 8 (%)
Slump:	3 - 5 (in)

Field Measurements

Weather:	Overcast	Slump (in):	3-1/2 (ASTM C143)	Plastic Unit Weight:	140.0 (lb/ft³) (ASTM C138)
Air Temperature (F):	40	Concrete Temp (F):	62 (ASTM C1064)	Air Content:	5.4 (ASTM C231)
				Load Volume:	7.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
12-1	7	04/26/24	1 / 6	4.00	12.57	57,030	4,540	3		N
12-2	28	05/17/24	1 / 27							
12-3	28	05/17/24	1 / 27							
12-4	28	05/17/24	1 / 27							
12-5	56 H	06/14/24	1 / 55							

Capping Methods

Tested By: John Pawlik (1)	N: Unbonded Caps (ASTM C1231)
Checked In : 04/20/2024 (1,2,3,4,5)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 05/03/2024
Sample: 17096

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	13	Technician:	Aaron Smith	Batched:	12:59 MDT
Specimen Size:	4" X 8"	Cast By:	Aaron Smith	Sampled:	13:30 MDT
Specimens In Set:	5	Date Cast:	04/23/24	Cast:	13:45 MDT
Truck / Ticket #:	9208 / 98021264	Sampled From:	Chute	Truck Empty:	14:00 MDT
Contractor:	Waner / Inlet Structures	Placement Method:	Chute	Placement Time:	61 (min)

Location

Placement Location: 34 - Storm Inlet
Location Details: Storm Inlet Bases B1 & I1
Sample Location / Notes: Sampled from Inlet B1

Batch Log

Supplier: Aggregate Industries Mix Design: 7456120
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 3 - 5 (in)

Field Measurements

Weather:	Cloudy	Slump (in):	3-3/4 (ASTM C143)	Plastic Unit Weight:	141.2 (lb/ft³) (ASTM C138)
Air Temperature (F):	56	Concrete Temp (F):	67 (ASTM C1064)	Air Content:	5.3 (ASTM C231)
				Load Volume:	6.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
13-1	7	04/30/24	2 / 5	4.00	12.57	62,870	5,000	3		N
13-2	28	05/21/24	2 / 26							
13-3	28	05/21/24	2 / 26							
13-4	28	05/21/24	2 / 26							
13-5	56 H	06/18/24	2 / 54							

Capping Methods

Tested By: John Pawlik (1)

Checked In : 04/25/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 05/23/2024
Sample: 17096

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	13	Technician:	Aaron Smith	Batched:	12:59 MDT
Specimen Size:	4" X 8"	Cast By:	Aaron Smith	Sampled:	13:30 MDT
Specimens In Set:	5	Date Cast:	04/23/24	Cast:	13:45 MDT
Truck / Ticket #:	9208 / 98021264	Sampled From:	Chute	Truck Empty:	14:00 MDT
Contractor:	Waner / Inlet Structures	Placement Method:	Chute	Placement Time:	61 (min)

Location

Placement Location: 34 - Storm Inlet
Location Details: Storm Inlet Bases B1 & I1
Sample Location / Notes: Sampled from Inlet B1

Batch Log

Supplier: Aggregate Industries Mix Design: 7456120
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 3 - 5 (in)

Field Measurements

Weather:	Cloudy	Slump (in):	3-3/4 (ASTM C143)	Plastic Unit Weight:	141.2 (lb/ft³) (ASTM C138)
Air Temperature (F):	56	Concrete Temp (F):	67 (ASTM C1064)	Air Content:	5.3 (ASTM C231)
				Load Volume:	6.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
13-1	7	04/30/24	2 / 5	4.00	12.57	62,870	5,000	3		N
13-2	28	05/21/24	2 / 26	4.00	12.57	75,920	6,040	3	PS	N
13-3	28	05/21/24	2 / 26	4.00	12.57	73,670	5,860	3	PS	N
13-4	28	05/21/24	2 / 26	4.00	12.57	77,120	6,140	3	PS	N
13-5	56 H	06/18/24	2 / 54							

Test Age Average Strengths (psi): 28 Day - 6010

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 04/25/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 05/03/2024

Sample: 17114

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	14	Technician:	Aaron Smith	Batched:	08:31 MDT
Specimen Size:	4" X 8"	Cast By:	Aaron Smith	Sampled:	10:15 MDT
Specimens In Set:	5	Date Cast:	04/24/24	Cast:	10:30 MDT
Truck / Ticket #:	1316 / 20626306	Sampled From:	Chute	Truck Empty:	11:00 MDT
Contractor:	Waner	Placement Method:	Chute	Placement Time:	149 (min)

Location

Placement Location:	34 - Storm Manhole
Location Details:	Storm Manhole A3 Base, approximate station 2+31
Sample Location / Notes:	Manhole A3 Base, approximate station 2+31

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.	Strength:	4500 (psi)
On-Site Admixtures:	12.00 Gal Water (7 yd ³), 8.00 Oz AEA-Air Entraining Admixture (7 yd ³)			Air:	5 - 8 (%)
				Slump:	3 - 5 (in)

Field Measurements

Weather:	Clear	Slump (in):	3 (ASTM C143)	Plastic Unit Weight:	141.6 (lb/ft ³) (ASTM C138)
Air Temperature (F):	66	Concrete Temp (F):	75 (ASTM C1064)	Air Content:	5.2 (ASTM C231)
				Load Volume:	8.00 (yd ³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
14-1	7	05/01/24	1 / 6	4.00	12.57	50,450	4,010	3		N
14-2	28	05/22/24	1 / 27							
14-3	28	05/22/24	1 / 27							
14-4	28	05/22/24	1 / 27							
14-5	56 H	06/19/24	1 / 55							

Capping Methods

Tested By: John Pawlik (1)	N: Unbonded Caps (ASTM C1231)
Checked In : 04/25/2024 (1,2,3,4,5)	

General Remarks

Initial air of 3.8%. Air pack added and retested with passing results.



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 05/28/2024

Sample: 17131

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	15	Technician:	Andrew Calogero	Batched:	12:42 MDT
Specimen Size:	4" X 8"	Cast By:	Andrew Calogero	Sampled:	13:30 MDT
Specimens In Set:	5	Date Cast:	04/25/24	Cast:	13:45 MDT
Truck / Ticket #:	139 / 98021464	Sampled From:	Chute	Truck Empty:	14:45 MDT
Contractor:	Waner	Placement Method:	Chute	Placement Time:	123 (min)

Location

Placement Location: 34 - Storm - Other
Location Details: Storm Inlet I-1 walls & 24' of trickle channel in detention pond
Sample Location / Notes: Sampled from trickle channel

Batch Log

Supplier: Aggregate Industries Mix Design: 7456120
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 3 - 5 (in)

Field Measurements

Weather:	Cloudy	Slump (in):	3-3/4 (ASTM C143)	Plastic Unit Weight:	140.3 (lb/ft³) (ASTM C138)
Air Temperature (F):	73	Concrete Temp (F):	79 (ASTM C1064)	Air Content:	7.4 (ASTM C231)
				Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
15-1	7	05/02/24	1 / 6	4.00	12.57	54,950	4,370	3		N
15-2	28	05/23/24	1 / 27	4.00	12.57	73,780	5,870	3	PS	N
15-3	28	05/23/24	1 / 27	4.00	12.57	69,490	5,530	2	PS	N
15-4	28	05/23/24	1 / 27	4.00	12.57	71,160	5,660	3	PS	N
15-5	56 H	06/20/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 5690

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 04/26/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 05/03/2024

Sample: 17131

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	15	Technician:	Andrew Calogero	Batched:	12:42 MDT
Specimen Size:	4" X 8"	Cast By:	Andrew Calogero	Sampled:	13:30 MDT
Specimens In Set:	5	Date Cast:	04/25/24	Cast:	13:45 MDT
Truck / Ticket #:	139 / 98021464	Sampled From:	Chute	Truck Empty:	14:45 MDT
Contractor:	Waner	Placement Method:	Chute	Placement Time:	123 (min)

Location

Placement Location:	34 - Storm - Other
Location Details:	Storm Inlet I-1 walls & 24' of trickle channel in detention pond
Sample Location / Notes:	Sampled from trickle channel

Batch Log

Supplier:	Aggregate Industries	Mix Design:	7456120	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	3 - 5 (in)

Field Measurements

Weather:	Cloudy	Slump (in):	3-3/4 (ASTM C143)	Plastic Unit Weight:	140.3 (lb/ft³) (ASTM C138)
Air Temperature (F):	73	Concrete Temp (F):	79 (ASTM C1064)	Air Content:	7.4 (ASTM C231)
				Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
15-1	7	05/02/24	1 / 6	4.00	12.57	54,950	4,370	3		N
15-2	28	05/23/24	1 / 27							
15-3	28	05/23/24	1 / 27							
15-4	28	05/23/24	1 / 27							
15-5	56 H	06/20/24	1 / 55							

Capping Methods

Tested By: John Pawlik (1)	N: Unbonded Caps (ASTM C1231)
Checked In : 04/26/2024 (1,2,3,4,5)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 05/28/2024

Sample: 17144

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	17	Technician:	Aaron Smith	Batched:	08:15 MDT
Specimen Size:	4" X 8"	Cast By:	Aaron Smith	Sampled:	09:35 MDT
Specimens In Set:	5	Date Cast:	04/26/24	Cast:	09:50 MDT
Truck / Ticket #:	1297 / 20627256	Sampled From:	Chute	Truck Empty:	09:50 MDT
Contractor:	Waner	Placement Method:	Chute	Placement Time:	95 (min)

Location

Placement Location: 34 - Storm Manhole
Location Details: Manhole C1 Base. Storm Line C, approximate station 1+72.
Sample Location / Notes: Manhole C1 Base. Storm Line C, approximate station 1+72

Batch Log

Supplier: Burnco Mix Design: 45C1C1C4C.
On-Site Admixtures: 8.00 Oz AEA-Air Entraining Admixture (7 yd³), 2.00 Gal Water (7 yd³)

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 3 - 5 (in)

Field Measurements

Weather:	Partly Cloudy	Slump (in):	3 (ASTM C143)	Plastic Unit Weight:	140.4 (lb/ft ³) (ASTM C138)
Air Temperature (F):	61	Concrete Temp (F):	71 (ASTM C1064)	Air Content:	5.5 (ASTM C231)
				Load Volume:	7.00 (yd ³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
17-1	7	05/03/24	3 / 4	4.00	12.57	47,600	3,790	2		N
17-2	28	05/24/24	3 / 25	4.00	12.57	72,260	5,750	2	PS	N
17-3	28	05/24/24	3 / 25	4.00	12.57	71,670	5,700	2	PS	N
17-4	28	05/24/24	3 / 25	4.00	12.57	66,020	5,250	3	PS	N
17-5	56 H	06/21/24	3 / 53							

Test Age Average Strengths (psi): 28 Day - 5570

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 04/29/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 05/28/2024

Sample: 17151

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	16	Technician:	Aaron Smith	Batched:	13:19 MDT
Specimen Size:	4" X 8"	Cast By:	Aaron Smith	Sampled:	14:15 MDT
Specimens In Set:	5	Date Cast:	04/26/24	Cast:	14:30 MDT
Truck / Ticket #:	9267 / 99784656	Sampled From:	Chute	Truck Empty:	14:40 MDT
Contractor:	Waner / Inlet Structures	Placement Method:	Bucket	Placement Time:	81 (min)

Location

Placement Location: 34 - Storm Manhole
Location Details: Box Manhole E1 Base. Storm line E, approximate station 1+00.
Sample Location / Notes: Box Manhole E1 Base

Batch Log

Supplier: Aggregate Industries Mix Design: 7456120
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 3 - 5 (in)

Field Measurements

Weather:	Cloudy	Slump (in):	3-1/4 (ASTM C143)	Plastic Unit Weight:	141.6 (lb/ft³) (ASTM C138)
Air Temperature (F):	64	Concrete Temp (F):	71 (ASTM C1064)	Air Content:	5.8 (ASTM C231)
				Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
16-1	7	05/03/24	3 / 4	4.00	12.57	57,590	4,580	2		N
16-2	28	05/24/24	3 / 25	4.00	12.57	72,630	5,780	2	PS	N
16-3	28	05/24/24	3 / 25	4.00	12.57	73,370	5,840	2	PS	N
16-4	28	05/24/24	3 / 25	4.00	12.57	72,460	5,770	3	PS	N
16-5	56 H	06/21/24	3 / 53							

Test Age Average Strengths (psi): 28 Day - 5790

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 04/29/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 05/14/2024

Sample: 17163

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	19	Technician:	Anthony Bath	Batched:	07:34 MDT
Specimen Size:	4" X 8"	Cast By:	Anthony Bath	Sampled:	08:31 MDT
Specimens In Set:	5	Date Cast:	04/30/24	Cast:	08:43 MDT
Truck / Ticket #:	1119 / 20627834	Sampled From:	Chute	Truck Empty:	08:58 MDT
Contractor:	Waner / Nelson Pipeline	Placement Method:	Chute	Placement Time:	84 (min)

Location

Placement Location: 34 - Storm Manhole
Location Details: Storm Manholes A5 and H1 Bases
Sample Location / Notes: Sampled from MH A5 base

Batch Log

Supplier: Burnco
Mix Design: 45C1C1C4C.
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 1 - 4 (in)

Field Measurements

Weather:	Sunny	Slump (in):	3-1/4 (ASTM C143)	Plastic Unit Weight:	139.6 (lb/ft³) (ASTM C138)
Air Temperature (F):	45	Concrete Temp (F):	60 (ASTM C1064)	Air Content:	6.5 (ASTM C231)
				Load Volume:	5.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
19-1	7	05/07/24	1 / 6	4.00	12.57	46,260	3,680	3		N
19-2	28	05/28/24	1 / 27							
19-3	28	05/28/24	1 / 27							
19-4	28	05/28/24	1 / 27							
19-5	56 H	06/25/24	1 / 55							

Capping Methods

Tested By: John Pawlik (1)

Checked In : 05/01/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 05/14/2024

Sample: 17180

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	18	Technician:	Andrew Calogero	Batched:	12:20 MDT
Specimen Size:	4" X 8"	Cast By:	Andrew Calogero	Sampled:	13:20 MDT
Specimens In Set:	5	Date Cast:	04/30/24	Cast:	13:35 MDT
Truck / Ticket #:	9262 / 98021	Sampled From:	Chute	Truck Empty:	13:50 MDT
Contractor:	Waner / Inlet Structures Inc.	Placement Method:	Bucket	Placement Time:	90 (min)

Location

Placement Location:	34 - Storm Inlet
Location Details:	Storm Manhole E1 walls and lid (Denver Type B MH, STA 1+00)
Sample Location / Notes:	Sampled from Manhole E1

Batch Log

Supplier:	Aggregate Industries	Mix Design:	7456120	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	1 - 4 (in)

Field Measurements

Weather:	Sunny	Slump (in):	3-3/4 (ASTM C143)	Plastic Unit Weight:	142.1 (lb/ft³) (ASTM C138)
Air Temperature (F):	72	Concrete Temp (F):	75 (ASTM C1064)	Air Content:	6.0 (ASTM C231)
				Load Volume:	9.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
18-1	7	05/07/24	1 / 6	4.00	12.57	64,280	5,110	2		N
18-2	28	05/28/24	1 / 27							
18-3	28	05/28/24	1 / 27							
18-4	28	05/28/24	1 / 27							
18-5	56 H	06/25/24	1 / 55							

Capping Methods

Tested By: John Pawlik (1)	N: Unbonded Caps (ASTM C1231)
Checked In : 05/01/2024 (1,2,3,4,5)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 05/14/2024

Sample: 17186

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	20	Technician:	Anthony Bath	Batched:	07:37 MDT
Specimen Size:	4" X 8"	Cast By:	Anthony Bath	Sampled:	08:34 MDT
Specimens In Set:	5	Date Cast:	05/01/24	Cast:	08:46 MDT
Truck / Ticket #:	1378 / 20628164	Sampled From:	Chute	Truck Empty:	09:00 MDT
Contractor:	Waner / Nelson Pipeline	Placement Method:	Chute	Placement Time:	83 (min)

Location

Placement Location: 34 - Storm Manhole
Location Details: Storm Manholes A6 and D4 Bases
Sample Location / Notes: Sampled from Manhole A6 Base

Batch Log

Supplier: Burnco
On-Site Admixtures: None
Mix Design: 45C1C1C4C.

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 1 - 4 (in)

Field Measurements

Weather:	Sunny	Slump (in):	2-1/2 (ASTM C143)	Plastic Unit Weight:	141.6 (lb/ft³) (ASTM C138)
Air Temperature (F):	43	Concrete Temp (F):	60 (ASTM C1064)	Air Content:	5.6 (ASTM C231)
				Load Volume:	5.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
20-1	7	05/08/24	1 / 6	4.00	12.57	53,980	4,290	2		N
20-2	28	05/29/24	1 / 27							
20-3	28	05/29/24	1 / 27							
20-4	28	05/29/24	1 / 27							
20-5	56 H	06/26/24	1 / 55							

Capping Methods

Tested By: John Pawlik (1)

Checked In : 05/02/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 05/14/2024

Sample: 17213

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	21	Technician:	Anthony Bath	Batched:	12:20 MDT
Specimen Size:	4" X 8"	Cast By:	Anthony Bath	Sampled:	13:00 MDT
Specimens In Set:	5	Date Cast:	05/02/24	Cast:	13:12 MDT
Truck / Ticket #:	9220 / 98021879	Sampled From:	Chute	Truck Empty:	13:35 MDT
Contractor:	Waner / Nelson Pipeline	Placement Method:	Chute	Placement Time:	75 (min)

Location

Placement Location:	34 - Storm Manhole
Location Details:	Storm Manholes C1, D2 and D3 Bases
Sample Location / Notes:	Sampled from MH C1 Base

Batch Log

Supplier:	Aggregate Industries	Mix Design:	7456120
On-Site Admixtures:	None		

Specifications

Strength:	4500 (psi)
Air:	5 - 8 (%)
Slump:	1 - 4 (in)

Field Measurements

Weather:	Sunny	Slump (in):	4 (ASTM C143)	Plastic Unit Weight:	142.0 (lb/ft³) (ASTM C138)
Air Temperature (F):	60	Concrete Temp (F):	63 (ASTM C1064)	Air Content:	5.0 (ASTM C231)
				Load Volume:	5.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
21-1	7	05/09/24	1 / 6	4.00	12.57	57,730	4,590	2		N
21-2	28	05/30/24	1 / 27							
21-3	28	05/30/24	1 / 27							
21-4	28	05/30/24	1 / 27							
21-5	56 H	06/27/24	1 / 55							

Capping Methods

Tested By: John Pawlik (1)	N: Unbonded Caps (ASTM C1231)
Checked In : 05/03/2024 (1,2,3,4,5)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 06/04/2024

Sample: 17252

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	22	Technician:	Stephen Matthis	Batched:	12:51 MDT
Specimen Size:	4" X 8"	Cast By:	Stephen Matthis	Sampled:	13:15 MDT
Specimens In Set:	5	Date Cast:	05/07/24	Cast:	13:25 MDT
Truck / Ticket #:	9262 / 98022118	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner / Inlet Structures Inc	Placement Method:	Chute	Placement Time:	

Location

Placement Location:	34 - Storm Inlet
Location Details:	Storm Line C, Type R Inlet C-1 (STA 1+34) Walls
Sample Location / Notes:	Storm Line C, Type R Inlet C-1 (STA 1+34) Walls

Batch Log

Supplier:	Aggregate Industries	Mix Design:	7456120	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	3 - 5 (in)

Field Measurements

Weather:	Cloudy, Windy	Slump (in):	4 (ASTM C143)	Plastic Unit Weight:	142.4 (lb/ft³) (ASTM C138)
Air Temperature (F):	56	Concrete Temp (F):	67 (ASTM C1064)	Air Content:	5.2 (ASTM C231)
				Load Volume:	4.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
22-1	7	05/14/24	1 / 6	4.00	12.57	64,500	5,130	2		N
22-2	28	06/04/24	1 / 27	4.00	12.57	81,000	6,440	2	PS	N
22-3	28	06/04/24	1 / 27	4.00	12.57	81,880	6,510	2	PS	N
22-4	28	06/04/24	1 / 27	4.00	12.57	81,150	6,460	2	PS	N
22-5	56 H	07/02/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 6470

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.	N: Unbonded Caps (ASTM C1231)
Tested By: John Pawlik (1,2,3,4)	
Checked In : 05/08/2024 (1,2,3,4,5)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 06/07/2024
Sample: 17265

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	23	Technician:	Andrew Calogero	Batched:	12:38 MDT
Specimen Size:	4" X 8"	Cast By:	Andrew Calogero	Sampled:	13:10 MDT
Specimens In Set:	5	Date Cast:	05/08/24	Cast:	13:25 MDT
Truck / Ticket #:	9105 / 84637411	Sampled From:	Chute	Truck Empty:	13:50 MDT
Contractor:	Waner / Inlet Structures	Placement Method:	Chute	Placement Time:	72 (min)

Location

Placement Location: 34 - Storm Inlet
Location Details: Storm Inlet D2 walls
Sample Location / Notes: Sampled from Inlet D2 walls

Batch Log

Supplier: Aggregate Industries Mix Design: 7456120
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 3 - 5 (in)

Field Measurements

Weather:	Sunny	Slump (in):	3 (ASTM C143)	Plastic Unit Weight:	142.0 (lb/ft³) (ASTM C138)
Air Temperature (F):	56	Concrete Temp (F):	72 (ASTM C1064)	Air Content:	7.0 (ASTM C231)
				Load Volume:	4.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
23-1	7	05/15/24	2 / 5	4.00	12.57	68,100	5,420	3		N
23-2	28	06/05/24	2 / 26	4.00	12.57	96,970	7,710	3	PS	N
23-3	28	06/05/24	2 / 26	4.00	12.57	100,110	7,960	3	PS	N
23-4	28	06/05/24	2 / 26	4.00	12.57	98,030	7,800	3	PS	N
23-5	56 H	07/03/24	2 / 54							

Test Age Average Strengths (psi): 28 Day - 7830

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 05/10/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 06/07/2024

Sample: 17282

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	25	Technician:	Elizabeth Beierle	Batched:	12:30 MDT
Specimen Size:	4" X 8"	Cast By:	Andrew Calogero	Sampled:	13:30 MDT
Specimens In Set:	5	Date Cast:	05/09/24	Cast:	13:45 MDT
Truck / Ticket #:	9281 / 98022271	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner	Placement Method:	Chute	Placement Time:	

Location

Placement Location: 34 - Storm Inlet
Location Details: Storm Inlets F1 and F2 bases
Sample Location / Notes: Storm inlets F1 and F2 bases

Batch Log

Supplier: Aggregate Industries Mix Design: 7456120
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 3 - 5 (in)

Field Measurements

Weather: Partly cloudy Slump (in): 3-3/4 (ASTM C143) Plastic Unit Weight: 142.8 (lb/ft³) (ASTM C138)
Air Temperature (F): 51 Concrete Temp (F): 68 (ASTM C1064) Air Content: 5.7 (ASTM C231)
Load Volume: 5.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
25-1	7	05/16/24	1 / 6	4.00	12.57	64,900	5,160	2		N
25-2	28	06/06/24	1 / 27	4.00	12.57	74,530	5,930	2	PS	N
25-3	28	06/06/24	1 / 27	4.00	12.57	77,550	6,170	2	PS	N
25-4	28	06/06/24	1 / 27	4.00	12.57	78,220	6,220	2	PS	N
25-5	56 H	07/04/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 6110

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 05/10/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 06/07/2024

Sample: 17284

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	24	Technician:	Barry Moore	Batched:	08:45 MDT
Specimen Size:	4" X 8"	Cast By:	Training User	Sampled:	09:50 MDT
Specimens In Set:	5	Date Cast:	05/09/24	Cast:	10:00 MDT
Truck / Ticket #:	c8091 / 2063637	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner / Nelson Pipeline	Placement Method:	Bucket	Placement Time:	

Location

Placement Location: 34 - Storm Manhole
Location Details: Storm Manholes D1 and F3, bases
Sample Location / Notes: Sampled from Manhole D1

Batch Log

Supplier: Burnco
On-Site Admixtures: None
Mix Design: 45C1C1C4C.

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 3 - 5 (in)

Field Measurements

Weather:	overcast	Slump (in):	3 (ASTM C143)	Plastic Unit Weight:	141.4 (lb/ft³) (ASTM C138)
Air Temperature (F):	48	Concrete Temp (F):	62 (ASTM C1064)	Air Content:	7.0 (ASTM C231)
				Load Volume:	3.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
24-1	7	05/16/24	1 / 6	4.00	12.57	42,950	3,420	2		N
24-2	28	06/06/24	1 / 27	4.00	12.57	63,040	5,020	2	PS	N
24-3	28	06/06/24	1 / 27	4.00	12.57	62,270	4,950	2	PS	N
24-4	28	06/06/24	1 / 27	4.00	12.57	68,570	5,460	2	PS	N
24-5	56 H	07/04/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 5140

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 05/10/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 05/23/2024

Sample: 17312

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	27	Technician:	Barry Moore	Batched:	13:35 MDT
Specimen Size:	4" X 8"	Cast By:	Barry Moore	Sampled:	14:15 MDT
Specimens In Set:	5	Date Cast:	05/13/24	Cast:	14:25 MDT
Truck / Ticket #:	9281 /	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner	Placement Method:	Chute	Placement Time:	

Location

Placement Location: 34 - Storm Inlet
Location Details: Storm Inlet F1 walls
Sample Location / Notes: Inlet F1 walls

Batch Log

Supplier: Aggregate Industries Mix Design: 7456120
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 3 - 5 (in)

Field Measurements

Weather:	overcast	Slump (in):	4 (ASTM C143)	Plastic Unit Weight:	141.0 (lb/ft³) (ASTM C138)
Air Temperature (F):	68	Concrete Temp (F):	70 (ASTM C1064)	Air Content:	6.2 (ASTM C231)
				Load Volume:	7.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
27-1	7	05/20/24	1 / 6	4.00	12.57	57,510	4,580	2		N
27-2	28	06/10/24	1 / 27							
27-3	28	06/10/24	1 / 27							
27-4	28	06/10/24	1 / 27							
27-5	56 H	07/08/24	1 / 55							

Capping Methods

Tested By: John Pawlik (1)

Checked In : 05/14/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 06/12/2024

Sample: 17319

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	26	Technician:	Barry Moore	Batched:	13:17 MDT
Specimen Size:	4" X 8"	Cast By:	Barry Moore	Sampled:	14:17 MDT
Specimens In Set:	5	Date Cast:	05/14/24	Cast:	14:27 MDT
Truck / Ticket #:	160 / 99784999	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner	Placement Method:	Chute	Placement Time:	

Location

Placement Location:	34 - Storm Inlet
Location Details:	Storm Inlet bases for J1, J2, A2 and A4
Sample Location / Notes:	Sampled from Inlet J1

Batch Log

On-Site Admixtures:	None	Strength:	4500 (psi)
		Air:	5 - 8 (%)
		Slump:	3 - 5 (in)

Field Measurements

Weather:	clear	Slump (in):	3-1/4 (ASTM C143)	Plastic Unit Weight:	143.2 (lb/ft³) (ASTM C138)
Air Temperature (F):	75	Concrete Temp (F):	73 (ASTM C1064)	Air Content:	6.3 (ASTM C231)
				Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
26-1	7	05/21/24	2 / 5	4.00	12.57	50,100	3,990	2		N
26-2	28	06/11/24	2 / 26	4.00	12.57	69,130	5,500	4	PS	N
26-3	28	06/11/24	2 / 26	4.00	12.57	68,090	5,420	2	PS	N
26-4	28	06/11/24	2 / 26	4.00	12.57	66,740	5,310	3	PS	N
26-5	56 H	07/09/24	2 / 54							

Test Age Average Strengths (psi): 28 Day - 5410

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 05/16/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 06/07/2024

Sample: 17319

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	26	Technician:	Barry Moore	Batched:	13:17 MDT
Specimen Size:	4" X 8"	Cast By:	Barry Moore	Sampled:	14:17 MDT
Specimens In Set:	5	Date Cast:	05/14/24	Cast:	14:27 MDT
Truck / Ticket #:	160 / 99784999	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner	Placement Method:	Chute	Placement Time:	

Location

Placement Location: 34 - Storm Inlet
Location Details: Storm Inlet bases for J1, J2, A2 and A4
Sample Location / Notes: Sampled from Inlet J1

Batch Log

On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 3 - 5 (in)

Field Measurements

Weather: clear	Slump (in): 3-1/4 (ASTM C143)	Plastic Unit Weight: 143.2 (lb/ft³) (ASTM C138)
Air Temperature (F): 75	Concrete Temp (F): 73 (ASTM C1064)	Air Content: 6.3 (ASTM C231)
		Load Volume: 10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
26-1	7	05/21/24	2 / 5	4.00	12.57	50,100	3,990	2		N
26-2	28	06/11/24	2 / 26							
26-3	28	06/11/24	2 / 26							
26-4	28	06/11/24	2 / 26							
26-5	56 H	07/09/24	2 / 54							

Capping Methods

Tested By: John Pawlik (1)

Checked In : 05/16/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 06/27/2024

Sample: 17332

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	28	Technician:	Barry Moore	Batched:	13:45 MDT
Specimen Size:	4" X 8"	Cast By:	Barry Moore	Sampled:	14:15 MDT
Specimens In Set:	5	Date Cast:	05/15/24	Cast:	14:25 MDT
Truck / Ticket #:	9104 / 98022516	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner / Inlet Structures Inc	Placement Method:	Chute	Placement Time:	

Location

Placement Location:	34 - Storm Inlet
Location Details:	Storm Inlet structures D2 STA 2+31.11 and D3 STA 2+65.52, walls
Sample Location / Notes:	Sampled from Inlet D3

Batch Log

Supplier:	Aggregate Industries	Mix Design:	7456120	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	3 - 5 (in)

Field Measurements

Weather:	clear	Slump (in):	3-1/2 (ASTM C143)	Plastic Unit Weight:	139.8 (lb/ft³) (ASTM C138)
Air Temperature (F):	66	Concrete Temp (F):	81 (ASTM C1064)	Air Content:	8.0 (ASTM C231)
				Load Volume:	6.50 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
28-1	7	05/22/24	2 / 5	4.00	12.57	44,350	3,530	2		N
28-2	28	06/12/24	2 / 26	4.00	12.57	56,670	4,510	4	PS	N
28-3	28	06/12/24	2 / 26	4.00	12.57	58,200	4,630	2	PS	N
28-4	28	06/12/24	2 / 26	4.00	12.57	60,090	4,780	2	PS	N
28-5	56 H	07/10/24	2 / 54							

Test Age Average Strengths (psi): 28 Day - 4640

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.	N: Unbonded Caps (ASTM C1231)
Tested By: John Pawlik (1,2,3,4)	
Checked In : 05/17/2024 (1,2,3,4,5)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 06/27/2024

Sample: 17342

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	29	Technician:	Elizabeth Beierle	Batched:	
Specimen Size:	4" X 8"	Cast By:	Elizabeth Beierle	Sampled:	13:36 MDT
Specimens In Set:	5	Date Cast:	05/16/24	Cast:	13:50 MDT
Truck / Ticket #:	684 / 98022564	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner / Inlet Structures	Placement Method:	Chute	Placement Time:	

Location

Placement Location: 34 - Storm Inlet
Location Details: Storm Inlet F2 walls
Sample Location / Notes: Storm Inlet F2 walls

Batch Log

Supplier: Aggregate Industries
Mix Design: 7456120
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 1 - 4 (in)

Field Measurements

Weather: Partly cloudy	Slump (in): 4 (ASTM C143)	Plastic Unit Weight: 140.2 (lb/ft ³) (ASTM C138)
Air Temperature (F): 68	Concrete Temp (F): 72 (ASTM C1064)	Air Content: 6.7 (ASTM C231)
		Load Volume: 4.00 (yd ³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
29-1	7	05/23/24	1 / 6	4.00	12.57	46,380	3,690	2		N
29-2	28	06/13/24	1 / 27	4.00	12.57	59,230	4,710	2	PS	N
29-3	28	06/13/24	1 / 27	4.00	12.57	60,590	4,820	2	PS	N
29-4	28	06/13/24	1 / 27	4.00	12.57	57,600	4,580	2	PS	N
29-5	56 H	07/11/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 4710

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 05/17/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 06/27/2024

Sample: 17367

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	30	Technician:	Aaron Smith	Batched:	12:39 MDT
Specimen Size:	4" X 8"	Cast By:	Aaron Smith	Sampled:	13:30 MDT
Specimens In Set:	5	Date Cast:	05/20/24	Cast:	13:45 MDT
Truck / Ticket #:	9267 / 7456120	Sampled From:	Chute	Truck Empty:	13:50 MDT
Contractor:	Waner / Inlet Structures	Placement Method:	Chute	Placement Time:	71 (min)

Location

Placement Location:	34 - Storm Inlet
Location Details:	Storm Inlet I-1 Lid. Storm Line I station 1+67
Sample Location / Notes:	Storm Inlet I-1 Lid

Batch Log

On-Site Admixtures: None

Specifications

Strength:	4500 (psi)
Air:	5 - 8 (%)
Slump:	1 - 4 (in)

Field Measurements

Weather:	Partly Cloudy	Slump (in):	3-1/2 (ASTM C143)	Plastic Unit Weight:	138.0 (lb/ft ³) (ASTM C138)
Air Temperature (F):	63	Concrete Temp (F):	67 (ASTM C1064)	Air Content:	7.3 (ASTM C231)
				Load Volume:	5.00 (yd ³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
30-1	8	05/28/24	2 / 6	4.00	12.57	55,680	4,430	2		N
30-2	28	06/17/24	2 / 26	4.00	12.57	69,380	5,520	2	PS	N
30-3	28	06/17/24	2 / 26	4.00	12.57	68,840	5,480	2	PS	N
30-4	28	06/17/24	2 / 26	4.00	12.57	64,190	5,110	5	PS	N
30-5	56 H	07/15/24	2 / 54							

Test Age Average Strengths (psi): 28 Day - 5370

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 05/22/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 06/27/2024

Sample: 17376

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	31	Technician:	Aaron Smith	Batched:	12:55 MDT
Specimen Size:	4" X 8"	Cast By:	Aaron Smith	Sampled:	13:45 MDT
Specimens In Set:	5	Date Cast:	05/21/24	Cast:	14:00 MDT
Truck / Ticket #:	9274 / 98022837	Sampled From:	Chute	Truck Empty:	14:05 MDT
Contractor:	Waner / Inlet Structures	Placement Method:	Chute	Placement Time:	70 (min)

Location

Placement Location:	34 - Storm Inlet
Location Details:	Storm Inlet B1 lid. Storm Line B station 1+41
Sample Location / Notes:	Inlet B1 lid

Batch Log

Supplier:	Aggregate Industries	Mix Design:	7456120	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	1 - 4 (in)

Field Measurements

Weather:	Mostly Cloudy	Slump (in):	3-3/4 (ASTM C143)	Plastic Unit Weight:	138.8 (lb/ft ³) (ASTM C138)
Air Temperature (F):	55	Concrete Temp (F):	68 (ASTM C1064)	Air Content:	6.6 (ASTM C231)
				Load Volume:	5.00 (yd ³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
31-1	7	05/28/24	2 / 5	4.00	12.57	59,010	4,700	2		N
31-2	28	06/18/24	2 / 26	4.00	12.57	68,170	5,420	3	PS	N
31-3	28	06/18/24	2 / 26	4.00	12.57	73,670	5,860	3	PS	N
31-4	28	06/18/24	2 / 26	4.00	12.57	70,460	5,610	2	PS	N
31-5	56 H	07/16/24	2 / 54							

Test Age Average Strengths (psi): 28 Day - 5630

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.	N: Unbonded Caps (ASTM C1231)
Tested By: John Pawlik (1,2,3,4)	
Checked In : 05/23/2024 (1,2,3,4,5)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 06/12/2024
Sample: 17399

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	32	Technician:	Elizabeth Beierle	Batched:	12:52 MDT
Specimen Size:	4" X 8"	Cast By:	Elizabeth Beierle	Sampled:	13:10 MDT
Specimens In Set:	5	Date Cast:	05/23/24	Cast:	13:25 MDT
Truck / Ticket #:	169 / 84637692	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner	Placement Method:	Chute	Placement Time:	

Location

Placement Location: 34 - Storm Inlet
Location Details: Base for Inlet J2 (middle)
Decks for A7 and C1
Sample Location / Notes: Base for inlet J2 (middle)
Decks for A7 and C1

Batch Log

Supplier: Aggregate Industries Mix Design: 7456120
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 1 - 4 (in)

Field Measurements

Weather:	Partly cloudy	Slump (in):	3-1/4 (ASTM C143)	Plastic Unit Weight:	140.4 (lb/ft³) (ASTM C138)
Air Temperature (F):	75	Concrete Temp (F):	71 (ASTM C1064)	Air Content:	7.6 (ASTM C231)
				Load Volume:	6.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
32-1	7	05/30/24	1 / 6	4.00	12.57	53,750	4,280	2		N
32-2	28	06/20/24	1 / 27							
32-3	28	06/20/24	1 / 27							
32-4	28	06/20/24	1 / 27							
32-5	56 H	07/18/24	1 / 55							

Capping Methods

Tested By: John Pawlik (1)

N: Unbonded Caps (ASTM C1231)

Checked In : 05/24/2024 (1,2,3,4,5)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 06/27/2024
Sample: 17399

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	32	Technician:	Elizabeth Beierle	Batched:	12:52 MDT
Specimen Size:	4" X 8"	Cast By:	Elizabeth Beierle	Sampled:	13:10 MDT
Specimens In Set:	5	Date Cast:	05/23/24	Cast:	13:25 MDT
Truck / Ticket #:	169 / 84637692	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner	Placement Method:	Chute	Placement Time:	

Location

Placement Location: 34 - Storm Inlet
Location Details: Base for Inlet J2 (middle)
Decks for A7 and C1
Sample Location / Notes: Base for inlet J2 (middle)
Decks for A7 and C1

Batch Log

Supplier: Aggregate Industries Mix Design: 7456120
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 1 - 4 (in)

Field Measurements

Weather:	Partly cloudy	Slump (in):	3-1/4 (ASTM C143)	Plastic Unit Weight:	140.4 (lb/ft³) (ASTM C138)
Air Temperature (F):	75	Concrete Temp (F):	71 (ASTM C1064)	Air Content:	7.6 (ASTM C231)
				Load Volume:	6.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
32-1	7	05/30/24	1 / 6	4.00	12.57	53,750	4,280	2		N
32-2	28	06/20/24	1 / 27	4.00	12.57	73,400	5,840	2	PS	N
32-3	28	06/20/24	1 / 27	4.00	12.57	69,510	5,530	2	PS	N
32-4	28	06/20/24	1 / 27	4.00	12.57	69,670	5,540	2	PS	N
32-5	56 H	07/18/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 5640

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 05/24/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 07/16/2024

Sample: 17422

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	33	Technician:	Barry Moore	Batched:	13:26 MDT
Specimen Size:	4" X 8"	Cast By:	Barry Moore	Sampled:	14:15 MDT
Specimens In Set:	5	Date Cast:	05/28/24	Cast:	14:25 MDT
Truck / Ticket #:	9223 / 98023115	Sampled From:	Chute	Truck Empty:	
Contractor:	inlet structures inc	Placement Method:	Bucket	Placement Time:	

Location

Placement Location: 34 - Storm Inlet
Location Details: Storm inlet A7, walls
Sample Location / Notes: Storm inlet A7, walls

Batch Log

Supplier: Aggregate Industries Mix Design: 7456120
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 3 - 5 (in)

Field Measurements

Weather:	clear	Slump (in):	5 (ASTM C143)	Plastic Unit Weight:	138.8 (lb/ft³) (ASTM C138)
Air Temperature (F):	77	Concrete Temp (F):	77 (ASTM C1064)	Air Content:	5.0 (ASTM C231)
				Load Volume:	5.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
33-1	7	06/04/24	1 / 6	4.00	12.57	47,550	3,780	2		N
33-2	28	06/25/24	1 / 27	4.00	12.57	56,600	4,500	2	PS	N
33-3	28	06/25/24	1 / 27	4.00	12.57	56,910	4,530	2	PS	N
33-4	28	06/25/24	1 / 27	4.00	12.57	58,210	4,630	2	PS	N
33-5	56 H	07/23/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 4550

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 05/29/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 06/27/2024

Sample: 17444

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	34	Technician:	Barry Moore	Batched:	13:41 MDT
Specimen Size:	4" X 8"	Cast By:	Barry Moore	Sampled:	14:41 MDT
Specimens In Set:	5	Date Cast:	05/30/24	Cast:	14:51 MDT
Truck / Ticket #:	151 / 98023304	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner / Inlet Structures	Placement Method:	Chute	Placement Time:	

Location

Placement Location:	34 - Storm Inlet
Location Details:	Storm Inlet F1 lid and inlet B2 walls
Sample Location / Notes:	Inlet F1 lid and Inlet B2 walls

Batch Log

Supplier:	Aggregate Industries	Mix Design:	7456120	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	3 - 5 (in)

Field Measurements

Weather:	overcast	Slump (in):	4 (ASTM C143)	Plastic Unit Weight:	140.8 (lb/ft³) (ASTM C138)
Air Temperature (F):	73	Concrete Temp (F):	80 (ASTM C1064)	Air Content:	5.0 (ASTM C231)
				Load Volume:	5.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
34-1	7	06/06/24	1 / 6	4.00	12.57	55,400	4,410	4		N
34-2	28	06/27/24	1 / 27	4.00	12.57	64,800	5,160	2	PS	N
34-3	28	06/27/24	1 / 27	4.00	12.57	67,100	5,340	2	PS	N
34-4	28	06/27/24	1 / 27	4.00	12.57	64,970	5,170	2	PS	N
34-5	56 H	07/25/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 5220

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 05/31/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 06/12/2024

Sample: 17444

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	34	Technician:	Barry Moore	Batched:	13:41 MDT
Specimen Size:	4" X 8"	Cast By:	Barry Moore	Sampled:	14:41 MDT
Specimens In Set:	5	Date Cast:	05/30/24	Cast:	14:51 MDT
Truck / Ticket #:	151 / 98023304	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner / Inlet Structures	Placement Method:	Chute	Placement Time:	

Location

Placement Location:	34 - Storm Inlet
Location Details:	Storm Inlet F1 lid and inlet B2 walls
Sample Location / Notes:	Inlet F1 lid and Inlet B2 walls

Batch Log

Supplier:	Aggregate Industries	Mix Design:	7456120	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	3 - 5 (in)

Field Measurements

Weather:	overcast	Slump (in):	4 (ASTM C143)	Plastic Unit Weight:	140.8 (lb/ft³) (ASTM C138)
Air Temperature (F):	73	Concrete Temp (F):	80 (ASTM C1064)	Air Content:	5.0 (ASTM C231)
				Load Volume:	5.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
34-1	7	06/06/24	1 / 6	4.00	12.57	55,400	4,410	4		N
34-2	28	06/27/24	1 / 27							
34-3	28	06/27/24	1 / 27							
34-4	28	06/27/24	1 / 27							
34-5	56 H	07/25/24	1 / 55							

Capping Methods

Tested By: John Pawlik (1)	N: Unbonded Caps (ASTM C1231)
Checked In : 05/31/2024 (1,2,3,4,5)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 07/16/2024

Sample: 17468

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	35	Technician:	Barry Moore	Batched:	13:56 MDT
Specimen Size:	4" X 8"	Cast By:	Barry Moore	Sampled:	14:32 MDT
Specimens In Set:	5	Date Cast:	06/03/24	Cast:	14:42 MDT
Truck / Ticket #:	169 / 98023486	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner / Inlet Structures	Placement Method:	Chute	Placement Time:	

Location

Placement Location:	34 - Storm Inlet
Location Details:	Storm inlet lids for Inlets F2, D2, D3, J2
Sample Location / Notes:	Lids for Inlets F2, D2, D3, J2

Batch Log

Supplier:	Aggregate Industries	Mix Design:	7456120	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	3 - 5 (in)

Field Measurements

Weather:	overcast	Slump (in):	3-1/4 (ASTM C143)	Plastic Unit Weight:	138.8 (lb/ft³) (ASTM C138)
Air Temperature (F):	84	Concrete Temp (F):	84 (ASTM C1064)	Air Content:	6.8 (ASTM C231)
				Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
35-1	7	06/10/24	1 / 6	4.00	12.57	59,100	4,700	2		N
35-2	28	07/01/24	1 / 27	4.00	12.57	69,840	5,560	2	PS	N
35-3	28	07/01/24	1 / 27	4.00	12.57	70,370	5,600	2	PS	N
35-4	28	07/01/24	1 / 27	4.00	12.57	66,870	5,320	2	PS	N
35-5	56 H	07/29/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 5490

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 06/04/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 06/12/2024

Sample: 17468

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	35	Technician:	Barry Moore	Batched:	13:56 MDT
Specimen Size:	4" X 8"	Cast By:	Barry Moore	Sampled:	14:32 MDT
Specimens In Set:	5	Date Cast:	06/03/24	Cast:	14:42 MDT
Truck / Ticket #:	169 / 98023486	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner / Inlet Structures	Placement Method:	Chute	Placement Time:	

Location

Placement Location: 34 - Storm Inlet
Location Details: Storm inlet lids for Inlets F2, D2, D3, J2
Sample Location / Notes: Lids for Inlets F2, D2, D3, J2

Batch Log

Supplier: Aggregate Industries Mix Design: 7456120
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 3 - 5 (in)

Field Measurements

Weather:	overcast	Slump (in):	3-1/4 (ASTM C143)	Plastic Unit Weight:	138.8 (lb/ft³) (ASTM C138)
Air Temperature (F):	84	Concrete Temp (F):	84 (ASTM C1064)	Air Content:	6.8 (ASTM C231)
				Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
35-1	7	06/10/24	1 / 6	4.00	12.57	59,100	4,700	2		N
35-2	28	07/01/24	1 / 27							
35-3	28	07/01/24	1 / 27							
35-4	28	07/01/24	1 / 27							
35-5	56 H	07/29/24	1 / 55							

Capping Methods

Tested By: John Pawlik (1)

Checked In : 06/04/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 07/16/2024

Sample: 17471

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	36	Technician:	Barry Moore	Batched:	07:20 MDT
Specimen Size:	4" X 8"	Cast By:	Barry Moore	Sampled:	08:40 MDT
Specimens In Set:	5	Date Cast:	06/04/24	Cast:	08:50 MDT
Truck / Ticket #:	c8090 / 20638693	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner / Nelson	Placement Method:	Bucket	Placement Time:	

Location

Placement Location:	34 - Storm Manhole
Location Details:	Storm Manhole E2-2 base
Sample Location / Notes:	Manhole E2-2 base

Batch Log

On-Site Admixtures: None

Specifications

Strength:	4500 (psi)
Air:	5 - 8 (%)
Slump:	3 - 5 (in)

Field Measurements

Weather:	overcast	Slump (in):	3-1/2 (ASTM C143)	Plastic Unit Weight:	141.2 (lb/ft³) (ASTM C138)
Air Temperature (F):	64	Concrete Temp (F):	73 (ASTM C1064)	Air Content:	6.8 (ASTM C231)
				Load Volume:	9.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
36-1	7	06/11/24	2 / 5	4.00	12.57	49,980	3,980	2		N
36-2	28	07/02/24	2 / 26	4.00	12.57	64,640	5,140	2	PS	N
36-3	28	07/02/24	2 / 26	4.00	12.57	64,690	5,150	2	PS	N
36-4	28	07/02/24	2 / 26	4.00	12.57	63,800	5,080	2	PS	N
36-5	56 H	07/30/24	2 / 54							

Test Age Average Strengths (psi): 28 Day - 5120

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 06/06/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)

General Remarks

Manhole not on plans. Info provided by Nelson Pipeline.

36-5: NelsonThe inlet base is not on the plans. Nelson pipeThe inlet base is not on the plans. Nelson pipelineThe inlet base is not on the plans. Nelson pipe Labeled this manhole as E2-2



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 06/27/2024

Sample: 17476

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	37	Technician:	Barry Moore	Batched:	13:50 MDT
Specimen Size:	4" X 8"	Cast By:	Barry Moore	Sampled:	14:30 MDT
Specimens In Set:	5	Date Cast:	06/04/24	Cast:	14:40 MDT
Truck / Ticket #:	169 / 98023589	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner / Inlet Structures Inc	Placement Method:	Chute	Placement Time:	

Location

Placement Location: 34 - Storm Inlet
Location Details: Storm Inlet A4 walls
Sample Location / Notes: Inlet A4 walls

Batch Log

Supplier:	Aggregate Industries	Mix Design:	7456120	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	3 - 5 (in)

Field Measurements

Weather:	clear	Slump (in):	4 (ASTM C143)	Plastic Unit Weight:	140.8 (lb/ft³) (ASTM C138)
Air Temperature (F):	75	Concrete Temp (F):	80 (ASTM C1064)	Air Content:	6.7 (ASTM C231)
				Load Volume:	6.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
37-1	7	06/11/24	2 / 5	4.00	12.57	60,060	4,780	2		N
37-2	28	07/02/24	2 / 26							
37-3	28	07/02/24	2 / 26							
37-4	28	07/02/24	2 / 26							
37-5	56 H	07/30/24	2 / 54							

Capping Methods

Tested By: John Pawlik (1)	N: Unbonded Caps (ASTM C1231)
Checked In : 06/06/2024 (1,2,3,4,5)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 06/27/2024

Sample: 17482

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	38	Technician:	Andrew Calogero	Batched:	12:43 MDT
Specimen Size:	4" X 8"	Cast By:	Andrew Calogero	Sampled:	13:30 MDT
Specimens In Set:	5	Date Cast:	06/05/24	Cast:	13:40 MDT
Truck / Ticket #:	684 / 98023708	Sampled From:	Chute	Truck Empty:	14:05 MDT
Contractor:	Waner / Inlet Structures	Placement Method:	Bucket	Placement Time:	82 (min)

Location

Placement Location:	34 - Storm - Other
Location Details:	Storm toe wall at east end of Storm Line E STA 6+59, at flared end
Sample Location / Notes:	Toe wall

Batch Log

Supplier:	Aggregate Industries	Mix Design:	7456120	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	1 - 4 (in)

Field Measurements

Weather:	Sunny	Slump (in):	2 (ASTM C143)	Plastic Unit Weight:	144.2 (lb/ft³) (ASTM C138)
Air Temperature (F):	85	Concrete Temp (F):	86 (ASTM C1064)	Air Content:	5.1 (ASTM C231)
				Load Volume:	2.50 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
38-1	7	06/12/24	1 / 6	4.00	12.57	67,840	5,400	3		N
38-2	28	07/03/24	1 / 27							
38-3	28	07/03/24	1 / 27							
38-4	28	07/03/24	1 / 27							
38-5	56 H	07/31/24	1 / 55							

Capping Methods

Tested By: John Pawlik (1)	N: Unbonded Caps (ASTM C1231)
Checked In : 06/06/2024 (1,2,3,4,5)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 07/16/2024
Sample: 17509

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	39	Technician:	Barry Moore	Batched:	12:51 MDT
Specimen Size:	4" X 8"	Cast By:	Barry Moore	Sampled:	13:37 MDT
Specimens In Set:	5	Date Cast:	06/10/24	Cast:	13:47 MDT
Truck / Ticket #:	3173 / 98023911	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner / Inlet Structures Inc	Placement Method:	Chute	Placement Time:	

Location

Placement Location: 34 - Storm Inlet
Location Details: Storm Inlets A2, A4 and A7 - Lids
Sample Location / Notes: Storm Inlets A2, A4 and A7

Batch Log

Supplier: Aggregate Industries Mix Design: 7456120
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 3 - 5 (in)

Field Measurements

Weather:	Overcast	Slump (in):	3-1/4 (ASTM C143)	Plastic Unit Weight:	138.4 (lb/ft³) (ASTM C138)
Air Temperature (F):	73	Concrete Temp (F):	71 (ASTM C1064)	Air Content:	7.2 (ASTM C231)
				Load Volume:	8.50 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
39-1	7	06/17/24	1 / 6	4.00	12.57	68,780	5,470	2		N
39-2	28	07/08/24	1 / 27	4.00	12.57	79,990	6,360	2	PS	N
39-3	28	07/08/24	1 / 27	4.00	12.57	83,980	6,680	3	PS	N
39-4	28	07/08/24	1 / 27	4.00	12.57	82,500	6,560	2	PS	N
39-5	56 H	08/05/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 6540

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 06/11/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 06/27/2024

Sample: 17509

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	39	Technician:	Barry Moore	Batched:	12:51 MDT
Specimen Size:	4" X 8"	Cast By:	Barry Moore	Sampled:	13:37 MDT
Specimens In Set:	5	Date Cast:	06/10/24	Cast:	13:47 MDT
Truck / Ticket #:	3173 / 98023911	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner / Inlet Structures Inc	Placement Method:	Chute	Placement Time:	

Location

Placement Location: 34 - Storm Inlet
Location Details: Storm Inlets A2, A4 and A7 - Lids
Sample Location / Notes: Storm Inlets A2, A4 and A7

Batch Log

Supplier: Aggregate Industries
Mix Design: 7456120
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 3 - 5 (in)

Field Measurements

Weather: Overcast	Slump (in): 3-1/4 (ASTM C143)	Plastic Unit Weight: 138.4 (lb/ft³) (ASTM C138)
Air Temperature (F): 73	Concrete Temp (F): 71 (ASTM C1064)	Air Content: 7.2 (ASTM C231)
		Load Volume: 8.50 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
39-1	7	06/17/24	1 / 6	4.00	12.57	68,780	5,470	2		N
39-2	28	07/08/24	1 / 27							
39-3	28	07/08/24	1 / 27							
39-4	28	07/08/24	1 / 27							
39-5	56 H	08/05/24	1 / 55							

Capping Methods

Tested By: John Pawlik (1)

Checked In : 06/11/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 07/16/2024

Sample: 17537

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	40	Technician:	Anthony Bath	Batched:	08:07 MDT
Specimen Size:	4" X 8"	Cast By:	Anthony Bath	Sampled:	09:06 MDT
Specimens In Set:	5	Date Cast:	06/13/24	Cast:	09:18 MDT
Truck / Ticket #:	/ 20642014	Sampled From:	Chute	Truck Empty:	09:29 MDT
Contractor:	Waner Construction	Placement Method:	Pump	Placement Time:	82 (min)

Location

Placement Location:	34 - Retaining Wall
Location Details:	Retaining wall footings at pond on west side of site
Sample Location / Notes:	SW side of retaining wall

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.
On-Site Admixtures:	None		

Specifications

Strength:	4500 (psi)
Air:	5 - 8 (%)
Slump:	3 - 5 (in)

Field Measurements

Weather:	Sunny	Slump (in):	3 (ASTM C143)	Plastic Unit Weight:	139.2 (lb/ft³) (ASTM C138)
Air Temperature (F):	83	Concrete Temp (F):	80 (ASTM C1064)	Air Content:	6.8 (ASTM C231)
				Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
40-1	7	06/20/24	4 / 3	4.00	12.57	47,950	3,820	2		N
40-2	28	07/11/24	4 / 24	4.00	12.57	68,540	5,450	2	PS	N
40-3	28	07/11/24	4 / 24	4.00	12.57	69,990	5,570	2	PS	N
40-4	28	07/11/24	4 / 24	4.00	12.57	68,070	5,420	2	PS	N
40-5	56 H	08/08/24	4 / 52							

Test Age Average Strengths (psi): 28 Day - 5480

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 06/17/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 06/27/2024

Sample: 17537

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	40	Technician:	Anthony Bath	Batched:	08:07 MDT
Specimen Size:	4" X 8"	Cast By:	Anthony Bath	Sampled:	09:06 MDT
Specimens In Set:	5	Date Cast:	06/13/24	Cast:	09:18 MDT
Truck / Ticket #:	/ 20642014	Sampled From:	Chute	Truck Empty:	09:29 MDT
Contractor:	Waner Construction	Placement Method:	Pump	Placement Time:	82 (min)

Location

Placement Location:	34 - Retaining Wall
Location Details:	Retaining wall footings at pond on west side of site
Sample Location / Notes:	SW side of retaining wall

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	3 - 5 (in)

Field Measurements

Weather:	Sunny	Slump (in):	3 (ASTM C143)	Plastic Unit Weight:	139.2 (lb/ft³) (ASTM C138)
Air Temperature (F):	83	Concrete Temp (F):	80 (ASTM C1064)	Air Content:	6.8 (ASTM C231)
				Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
40-1	7	06/20/24	4 / 3	4.00	12.57	47,950	3,820	2		N
40-2	28	07/11/24	4 / 24							
40-3	28	07/11/24	4 / 24							
40-4	28	07/11/24	4 / 24							
40-5	56 H	08/08/24	4 / 52							

Capping Methods

Tested By: John Pawlik (1)	N: Unbonded Caps (ASTM C1231)
Checked In : 06/17/2024 (1,2,3,4,5)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 08/19/2024

Sample: 17646

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	41	Technician:	Phil Aranda	Batched:	08:20 MDT
Specimen Size:	4" X 8"	Cast By:	Phil Aranda	Sampled:	09:50 MDT
Specimens In Set:	5	Date Cast:	06/28/24	Cast:	10:00 MDT
Truck / Ticket #:	1223 / 20647070	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner	Placement Method:	Pump	Placement Time:	

Location

Placement Location:	34 - Retaining Wall
Location Details:	Detention Basin on west side of site, Retaining Wall
Sample Location / Notes:	East side of basin, from SE corner to approximately 50' N

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.	Strength:	4500 (psi)
On-Site Admixtures:	15.00 Gal Water (10 yd ³)			Air:	5 - 8 (%)
				Slump:	2 - 4 (in)

Specifications

Field Measurements

Weather:	Sunny	Slump (in):	4 (ASTM C143)	Plastic Unit Weight:	139.0 (lb/ft ³) (ASTM C138)
Air Temperature (F):	83	Concrete Temp (F):	79 (ASTM C1064)	Air Content:	7.2 (ASTM C231)
				Load Volume:	10.00 (yd ³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
41-1	7	07/05/24	3 / 4	4.00	12.57	54,480	4,330	2		N
41-2	28	07/26/24	3 / 25	4.00	12.57	71,670	5,700	2	PS	N
41-3	28	07/26/24	3 / 25	4.00	12.57	71,730	5,710	2	PS	N
41-4	28	07/26/24	3 / 25	4.00	12.57	72,170	5,740	2	PS	N
41-5	56 H	08/23/24	3 / 53							

Test Age Average Strengths (psi): 28 Day - 5720

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.	N: Unbonded Caps (ASTM C1231)
Tested By: John Pawlik (1,2,3,4)	
Checked In : 07/01/2024 (1,2,3,4,5)	

General Remarks

2nd truck: 4" slump, 8.0% air content, 136.0 pcf unit weight, 79 °F concrete
3rd truck: 4" slump, 8.0% air content, 137.9 pcf unit weight, 85 °F concrete
Initial air tests on trucks 1 and 2 failed at 10.0%. Trucks were retested with passing results.
41-5: Truck 2 - 4", 8%, 136, 79°; Truck 3 - 4", 8%, 137.9, 85°. Initial air tests on trucks 1 & 2 failed at 10%, trucks were retested with passing results.



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 07/16/2024

Sample: 17646

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	41	Technician:	Phil Aranda	Batched:	08:20 MDT
Specimen Size:	4" X 8"	Cast By:	Phil Aranda	Sampled:	09:50 MDT
Specimens In Set:	5	Date Cast:	06/28/24	Cast:	10:00 MDT
Truck / Ticket #:	1223 / 20647070	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner	Placement Method:	Pump	Placement Time:	

Location

Placement Location: 34 - Retaining Wall
Location Details: Detention Basin on west side of site, Retaining Wall
Sample Location / Notes: East side of basin, from SE corner to approximately 50' N

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.	Strength:	4500 (psi)
On-Site Admixtures:	15.00 Gal Water (10 yd ³)			Air:	5 - 8 (%)
				Slump:	2 - 4 (in)

Specifications

Field Measurements

Weather:	Sunny	Slump (in):	4 (ASTM C143)	Plastic Unit Weight:	139.0 (lb/ft ³) (ASTM C138)
Air Temperature (F):	83	Concrete Temp (F):	79 (ASTM C1064)	Air Content:	7.2 (ASTM C231)
				Load Volume:	10.00 (yd ³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
41-1	7	07/05/24	3 / 4	4.00	12.57	54,480	4,330	2		N
41-2	28	07/26/24	3 / 25							
41-3	28	07/26/24	3 / 25							
41-4	28	07/26/24	3 / 25							
41-5	56 H	08/23/24	3 / 53							

Capping Methods

Tested By: John Pawlik (1)	N: Unbonded Caps (ASTM C1231)
Checked In : 07/01/2024 (1,2,3,4,5)	

General Remarks

2nd truck: 4" slump, 8.0% air content, 136.0 pcf unit weight, 79 °F concrete
3rd truck: 4" slump, 8.0% air content, 137.9 pcf unit weight, 85 °F concrete
Initial air tests on trucks 1 and 2 failed at 10.0%. Trucks were retested with passing results.
41-5: Truck 2 - 4", 8%, 136, 79°; Truck 3 - 4", 8%, 137.9, 85°. Initial air tests on trucks 1 & 2 failed at 10%, trucks were retested with passing results.



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 07/16/2024

Sample: 17662

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	42	Technician:	Andrew Calogero	Batched:	06:05 MDT
Specimen Size:	4" X 8"	Cast By:	Andrew Calogero	Sampled:	07:20 MDT
Specimens In Set:	5	Date Cast:	07/02/24	Cast:	07:35 MDT
Truck / Ticket #:	1187 / 20647823	Sampled From:	Chute	Truck Empty:	08:00 MDT
Contractor:	Waner	Placement Method:	Chute	Placement Time:	115 (min)

Location

Placement Location:	30 - Curb and Gutter
Location Details:	Curb and gutter on east and west sides of Private Road B between Private Drive to the north and Private Drive A to the south, curb radius on northwest corner of Private Drives A and B, curb on north side of Private Drive A running to first storm inlet west of Private Drive B
Sample Location / Notes:	Sampled from north side of Private Drive A just west of curb radius with Private Drive B

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	1 - 4 (in)

Field Measurements

Weather:	Cloudy	Slump (in):	3 (ASTM C143)	Plastic Unit Weight:	
Air Temperature (F):	68	Concrete Temp (F):	76 (ASTM C1064)	Air Content:	6.6 (ASTM C231)
				Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
42-1	7	07/09/24	1 / 6	4.00	12.57	44,160	3,510	2		N
42-2	28	07/30/24	1 / 27							
42-3	28	07/30/24	1 / 27							
42-4	28	07/30/24	1 / 27							
42-5	56 H	08/27/24	1 / 55							

Capping Methods

Tested By: John Pawlik (1)	N: Unbonded Caps (ASTM C1231)
Checked In : 07/03/2024 (1,2,3,4,5)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 08/19/2024

Sample: 17662

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	42	Technician:	Andrew Calogero	Batched:	06:05 MDT
Specimen Size:	4" X 8"	Cast By:	Andrew Calogero	Sampled:	07:20 MDT
Specimens In Set:	5	Date Cast:	07/02/24	Cast:	07:35 MDT
Truck / Ticket #:	1187 / 20647823	Sampled From:	Chute	Truck Empty:	08:00 MDT
Contractor:	Waner	Placement Method:	Chute	Placement Time:	115 (min)

Location

Placement Location:	30 - Curb and Gutter
Location Details:	Curb and gutter on east and west sides of Private Road B between Private Drive to the north and Private Drive A to the south, curb radius on northwest corner of Private Drives A and B, curb on north side of Private Drive A running to first storm inlet west of Private Drive B
Sample Location / Notes:	Sampled from north side of Private Drive A just west of curb radius with Private Drive B

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	1 - 4 (in)

Field Measurements

Weather:	Cloudy	Slump (in):	3 (ASTM C143)	Plastic Unit Weight:	
Air Temperature (F):	68	Concrete Temp (F):	76 (ASTM C1064)	Air Content:	6.6 (ASTM C231)
				Load Volume:	10.00 (yd ³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
42-1	7	07/09/24	1 / 6	4.00	12.57	44,160	3,510	2		N
42-2	28	07/30/24	1 / 27	4.00	12.57	73,080	5,810	3	PS	N
42-3	28	07/30/24	1 / 27	4.00	12.57	75,730	6,030	3	PS	N
42-4	28	07/30/24	1 / 27	4.00	12.57	73,510	5,850	3	PS	N
42-5	56 H	08/27/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 5900

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.	N: Unbonded Caps (ASTM C1231)
Tested By: John Pawlik (1,2,3,4)	
Checked In : 07/03/2024 (1,2,3,4,5)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 08/19/2024

Sample: 17674

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	43	Technician:	Andrew Calogero	Batched:	
Specimen Size:	4" X 8"	Cast By:	Andrew Calogero	Sampled:	07:45 MDT
Specimens In Set:	5	Date Cast:	07/03/24	Cast:	07:55 MDT
Truck / Ticket #:	C8057 / 20648409	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner	Placement Method:	Chute	Placement Time:	

Location

Placement Location: 30 - Other Flatwork
Location Details: East side of crossspan at Lincoln Ave and Private Drive to Walgreens, including curb radius and curb line extending approximately 30' south
Sample Location / Notes: East side of crossspan

Batch Log

Supplier: Burnco
Mix Design: 45C1C1C4C.
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 1 - 4 (in)

Field Measurements

Weather: Sunny	Slump (in): 3-3/4 (ASTM C143)	Plastic Unit Weight: 142.9 (lb/ft³) (ASTM C138)
Air Temperature (F): 67	Concrete Temp (F): 75 (ASTM C1064)	Air Content: 5.3 (ASTM C231)
		Load Volume: 10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
43-1	7	07/10/24	2 / 5	4.00	12.57	53,900	4,290	2		N
43-2	28	07/31/24	2 / 26	4.00	12.57	77,690	6,180	3	PS	N
43-3	28	07/31/24	2 / 26	4.00	12.57	76,840	6,110	2	PS	N
43-4	28	07/31/24	2 / 26	4.00	12.57	78,940	6,280	3	PS	N
43-5	56 H	08/28/24	2 / 54							

Test Age Average Strengths (psi): 28 Day - 6190

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 07/05/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)

General Remarks

Cylinders cast on second truck.
1st truck: 7.0% air content, 75 °F concrete, 139.3 pcf unit weight, 6.0" slump. High slump concrete accepted by subcontractor and city representative for placement, but not used in curb and gutter.



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 07/16/2024
Sample: 17674

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	43	Technician:	Andrew Calogero	Batched:	
Specimen Size:	4" X 8"	Cast By:	Andrew Calogero	Sampled:	07:45 MDT
Specimens In Set:	5	Date Cast:	07/03/24	Cast:	07:55 MDT
Truck / Ticket #:	C8057 / 20648409	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner	Placement Method:	Chute	Placement Time:	

Location

Placement Location: 30 - Other Flatwork
Location Details: East side of crossspan at Lincoln Ave and Private Drive to Walgreens, including curb radius and curb line extending approximately 30' south
Sample Location / Notes: East side of crossspan

Batch Log

Supplier: Burnco
Mix Design: 45C1C1C4C.
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 1 - 4 (in)

Field Measurements

Weather: Sunny	Slump (in): 3-3/4 (ASTM C143)	Plastic Unit Weight: 142.9 (lb/ft³) (ASTM C138)
Air Temperature (F): 67	Concrete Temp (F): 75 (ASTM C1064)	Air Content: 5.3 (ASTM C231)
		Load Volume: 10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
43-1	7	07/10/24	2 / 5	4.00	12.57	53,900	4,290	2		N
43-2	28	07/31/24	2 / 26							
43-3	28	07/31/24	2 / 26							
43-4	28	07/31/24	2 / 26							
43-5	56 H	08/28/24	2 / 54							

Capping Methods

Tested By: John Pawlik (1)

N: Unbonded Caps (ASTM C1231)

Checked In : 07/05/2024 (1,2,3,4,5)

General Remarks

Cylinders cast on second truck.
1st truck: 7.0% air content, 75 °F concrete, 139.3 pcf unit weight, 6.0" slump. High slump concrete accepted by subcontractor and city representative for placement, but not used in curb and gutter.



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 07/16/2024
Sample: 17697

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	44	Technician:	Ashley Trujillo	Batched:	09:11 MDT
Specimen Size:	4" X 8"	Cast By:	Andrew Calogero	Sampled:	10:15 MDT
Specimens In Set:	5	Date Cast:	07/08/24	Cast:	10:25 MDT
Truck / Ticket #:	C8003 / 20648939	Sampled From:	Chute	Truck Empty:	10:50 MDT
Contractor:	Waner	Placement Method:	Chute	Placement Time:	99 (min)

Location

Placement Location: 30 - Curb and Gutter
Location Details: East half of crossspan and curb and gutter radii for approximately 20' south of crossspan at the Private Drive (to Walgreens) and entrance to Lot 7, also poured crossspan with curb and gutter radii branching south for intersection of Private Drive (to Walgreens) and Private Road B
Sample Location / Notes: Sampled from east half of crossspan leading into Lot 7

Batch Log

Supplier: Burnco
Mix Design: 45C1C1C4C.
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 1 - 4 (in)

Field Measurements

Weather:	Slump (in): 3-1/2 (ASTM C143)	Plastic Unit Weight: 139.8 (lb/ft ³) (ASTM C138)
Air Temperature (F): 70	Concrete Temp (F): 76 (ASTM C1064)	Air Content: 7.8 (ASTM C231)
		Load Volume: 10.00 (yd ³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
44-1	7	07/15/24	1 / 6	4.00	12.57	52,710	4,190	2		N
44-2	28	08/05/24	1 / 27							
44-3	28	08/05/24	1 / 27							
44-4	28	08/05/24	1 / 27							
44-5	56 H	09/02/24	1 / 55							

Capping Methods

Tested By: John Pawlik (1)

N: Unbonded Caps (ASTM C1231)

Checked In : 07/09/2024 (1,2,3,4,5)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 08/19/2024

Sample: 17697

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	44	Technician:	Ashley Trujillo	Batched:	09:11 MDT
Specimen Size:	4" X 8"	Cast By:	Andrew Calogero	Sampled:	10:15 MDT
Specimens In Set:	5	Date Cast:	07/08/24	Cast:	10:25 MDT
Truck / Ticket #:	C8003 / 20648939	Sampled From:	Chute	Truck Empty:	10:50 MDT
Contractor:	Waner	Placement Method:	Chute	Placement Time:	99 (min)

Location

Placement Location:	30 - Curb and Gutter
Location Details:	East half of crossspan and curb and gutter radii for approximately 20' south of crossspan at the Private Drive (to Walgreens) and entrance to Lot 7, also poured crossspan with curb and gutter radii branching south for intersection of Private Drive (to Walgreens) and Private Road B
Sample Location / Notes:	Sampled from east half of crossspan leading into Lot 7

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	1 - 4 (in)

Field Measurements

Weather:	Slump (in):	3-1/2 (ASTM C143)	Plastic Unit Weight:	139.8 (lb/ft³) (ASTM C138)
Air Temperature (F): 70	Concrete Temp (F):	76 (ASTM C1064)	Air Content:	7.8 (ASTM C231)
			Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
44-1	7	07/15/24	1 / 6	4.00	12.57	52,710	4,190	2		N
44-2	28	08/05/24	1 / 27	4.00	12.57	64,820	5,160	2	PS	N
44-3	28	08/05/24	1 / 27	4.00	12.57	67,490	5,370	3	PS	N
44-4	28	08/05/24	1 / 27	4.00	12.57	72,630	5,780	3	PS	N
44-5	56 H	09/02/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 5440

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.	N: Unbonded Caps (ASTM C1231)
Tested By: John Pawlik (1,2,3,4)	
Checked In : 07/09/2024 (1,2,3,4,5)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 08/19/2024

Sample: 17705

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	45	Technician:	Elizabeth Beierle	Batched:	06:31 MDT
Specimen Size:	4" X 8"	Cast By:	Elizabeth Beierle	Sampled:	07:35 MDT
Specimens In Set:	5	Date Cast:	07/09/24	Cast:	07:50 MDT
Truck / Ticket #:	1117 / 20649206	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner	Placement Method:	Chute	Placement Time:	

Location

Placement Location: 30 - Curb and Gutter
Location Details: Curb and gutter for Road A, east of Road B
Sample Location / Notes: Curb and gutter for north side of Road A, east of Road B

Batch Log

Supplier: Burnco Mix Design: 45C1C1C4C.
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 1 - 4 (in)

Field Measurements

Weather:	Partly cloudy	Slump (in):	4 (ASTM C143)	Plastic Unit Weight:	137.6 (lb/ft³) (ASTM C138)
Air Temperature (F):	64	Concrete Temp (F):	78 (ASTM C1064)	Air Content:	7.8 (ASTM C231)
				Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
45-1	7	07/16/24	1 / 6	4.00	12.57	45,900	3,650	2		N
45-2	28	08/06/24	1 / 27	4.00	12.57	64,880	5,160	2	PS	N
45-3	28	08/06/24	1 / 27	4.00	12.57	64,510	5,130	2	PS	N
45-4	28	08/06/24	1 / 27	4.00	12.57	58,950	4,690	2	PS	N
45-5	56 H	09/03/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 4990

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 07/10/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 08/19/2024

Sample: 17715

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	46	Technician:	Anthony Bath	Batched:	06:04 MDT
Specimen Size:	4" X 8"	Cast By:	Anthony Bath	Sampled:	07:00 MDT
Specimens In Set:	5	Date Cast:	07/10/24	Cast:	07:12 MDT
Truck / Ticket #:	1187 / 20649583	Sampled From:	Chute	Truck Empty:	07:47 MDT
Contractor:	Waner Construction	Placement Method:	Chute	Placement Time:	103 (min)

Location

Placement Location: 30 - Curb and Gutter
Location Details: Curb & Gutter on east and west sides of Road B for Lots 5 & 6.
Sample Location / Notes: Sampled at Lot 5

Batch Log

Supplier: Burnco
Mix Design: 45C1C1C4C.
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 1 - 4 (in)

Field Measurements

Weather:	Sunny	Slump (in):	3-1/2 (ASTM C143)	Plastic Unit Weight:	138.8 (lb/ft³) (ASTM C138)
Air Temperature (F):	65	Concrete Temp (F):	73 (ASTM C1064)	Air Content:	6.5 (ASTM C231)
				Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
46-1	7	07/17/24	2 / 5	4.00	12.57	51,100	4,070	2		N
46-2	28	08/07/24	2 / 26	4.00	12.57	68,240	5,430	2	PS	N
46-3	28	08/07/24	2 / 26	4.00	12.57	69,340	5,520	2	PS	N
46-4	28	08/07/24	2 / 26	4.00	12.57	64,910	5,160	3	PS	N
46-5	56 H	09/04/24	2 / 54							

Test Age Average Strengths (psi): 28 Day - 5370

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 07/12/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 08/19/2024

Sample: 17736

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	47	Technician:	Phil Aranda	Batched:	12:40 MDT
Specimen Size:	4" X 8"	Cast By:	Phil Aranda	Sampled:	14:00 MDT
Specimens In Set:	6	Date Cast:	07/11/24	Cast:	14:15 MDT
Truck / Ticket #:	C8008 / 20650304	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner / Lumin8 Transportation Tech	Placement Method:	Chute	Placement Time:	

Location

Placement Location: 34 - Light Post Pedestal
Location Details: Public Street Light Caisson, NW corner of site at Dransfeldt Road and Lincoln Avenue
Sample Location / Notes: Public Street Light Caisson, NW corner of site

Batch Log

Supplier: Burnco Mix Design: 40D1C1D7C
On-Site Admixtures: None

Specifications

Strength: 4000 (psi)
Air: 5 - 8 (%)
Slump: 3 - 5 (in)

Field Measurements

Weather:	Sunny	Slump (in):	5 (ASTM C143)	Plastic Unit Weight:	138.4 (lb/ft³) (ASTM C138)
Air Temperature (F):	97	Concrete Temp (F):	83 (ASTM C1064)	Air Content:	8.0 (ASTM C231)
				Load Volume:	6.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
47-1	5	07/16/24	3 / 2	4.00	12.57	48,220	3,840	2		N
47-2	7	07/18/24	3 / 4	4.00	12.57	49,180	3,910	2		N
47-3	28	08/08/24	3 / 25	4.00	12.57	67,050	5,330	2	PS	N
47-4	28	08/08/24	3 / 25	4.00	12.57	72,030	5,730	3	PS	N
47-5	28	08/08/24	3 / 25	4.00	12.57	65,380	5,200	3	PS	N
47-6	56 H	09/05/24	3 / 53							

Test Age Average Strengths (psi): 5 Day - 3840, 28 Day - 5420

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4,5)

Checked In : 07/14/2024 (1,2,3,4,5,6)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 08/19/2024

Sample: 17762

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	48	Technician:	Elizabeth Beierle	Batched:	09:40 MDT
Specimen Size:	4" X 8"	Cast By:	Elizabeth Beierle	Sampled:	10:55 MDT
Specimens In Set:	5	Date Cast:	07/16/24	Cast:	11:10 MDT
Truck / Ticket #:	1192 / 20651443	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner	Placement Method:	Chute	Placement Time:	

Location

Placement Location:	30 - Sidewalk
Location Details:	Sidewalk on West side of Private Road B and north side of Private Road A
Sample Location / Notes:	Sidewalk on West side of Private Rd B and north side of Private Road A

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	1 - 4 (in)

Field Measurements

Weather:	Partly cloudy	Slump (in):	4 (ASTM C143)	Plastic Unit Weight:	138.8 (lb/ft³) (ASTM C138)
Air Temperature (F):	83	Concrete Temp (F):	74 (ASTM C1064)	Air Content:	6.0 (ASTM C231)
				Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
48-1	7	07/23/24	1 / 6	4.00	12.57	55,320	4,400	3		N
48-2	28	08/13/24	1 / 27	4.00	12.57	78,030	6,210	2	PS	N
48-3	28	08/13/24	1 / 27	4.00	12.57	73,860	5,880	3	PS	N
48-4	28	08/13/24	1 / 27	4.00	12.57	79,480	6,320	3	PS	N
48-5	56 H	09/10/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 6140

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 07/17/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 08/19/2024

Sample: 17773

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	49	Technician:	Elizabeth Beierle	Batched:	08:33 MDT
Specimen Size:	4" X 8"	Cast By:	Elizabeth Beierle	Sampled:	09:45 MDT
Specimens In Set:	5	Date Cast:	07/17/24	Cast:	10:00 MDT
Truck / Ticket #:	1204 / 20651804	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner	Placement Method:	Chute	Placement Time:	

Location

Placement Location:	30 - Sidewalk
Location Details:	Sidewalk on East side of Private Rd B and North side of Private Rd A
Sample Location / Notes:	Sidewalk on East side of Private Rd B and north side of Private Rd A

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	3 - 5 (in)

Field Measurements

Weather:	Partly cloudy	Slump (in):	3-1/2 (ASTM C143)	Plastic Unit Weight:	139.2 (lb/ft³) (ASTM C138)
Air Temperature (F):	75	Concrete Temp (F):	74 (ASTM C1064)	Air Content:	6.8 (ASTM C231)
				Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
49-1	7	07/24/24	1 / 6	4.00	12.57	64,200	5,110	2		N
49-2	28	08/14/24	1 / 27	4.00	12.57	77,140	6,140	2	PS	N
49-3	28	08/14/24	1 / 27	4.00	12.57	75,860	6,040	2	PS	N
49-4	28	08/14/24	1 / 27	4.00	12.57	82,920	6,600	2	PS	N
49-5	56 H	09/11/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 6260

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.	N: Unbonded Caps (ASTM C1231)
Tested By: John Pawlik (1,2,3,4)	
Checked In : 07/18/2024 (1,2,3,4,5)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 08/19/2024

Sample: 17782

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	50	Technician:	Elizabeth Beierle	Batched:	08:23 MDT
Specimen Size:	4" X 8"	Cast By:	Elizabeth Beierle	Sampled:	10:00 MDT
Specimens In Set:	5	Date Cast:	07/18/24	Cast:	10:15 MDT
Truck / Ticket #:	1145 / 20652221	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner	Placement Method:	Chute	Placement Time:	

Location

Placement Location: 30 - Sidewalk
Location Details: Sidewalk on south side of Private Rd A east of Private Rd B
Sample Location / Notes: Sidewalk on south side of Private Rd A east of Private Rd B

Batch Log

Supplier: Burnco
Mix Design: 45C1C1C4C.
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 3 - 5 (in)

Field Measurements

Weather:	Partly cloudy	Slump (in):	4-1/4 (ASTM C143)	Plastic Unit Weight:	139.2 (lb/ft³) (ASTM C138)
Air Temperature (F):	74	Concrete Temp (F):	73 (ASTM C1064)	Air Content:	6.4 (ASTM C231)
				Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
50-1	7	07/25/24	4 / 3	4.00	12.57	53,840	4,280	3		N
50-2	28	08/15/24	4 / 24	4.00	12.57	75,870	6,040	2	PS	N
50-3	28	08/15/24	4 / 24	4.00	12.57	76,680	6,100	3	PS	N
50-4	28	08/15/24	4 / 24	4.00	12.57	72,210	5,750	2	PS	N
50-5	56 H	09/12/24	4 / 52							

Test Age Average Strengths (psi): 7 Day - 4280, 28 Day - 5960

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 07/22/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 08/19/2024

Sample: 17798

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	51	Technician:	Elizabeth Beierle	Batched:	
Specimen Size:	4" X 8"	Cast By:	Elizabeth Beierle	Sampled:	10:25 MDT
Specimens In Set:	5	Date Cast:	07/19/24	Cast:	10:40 MDT
Truck / Ticket #:		Sampled From:	Chute	Truck Empty:	
Contractor:	Waner	Placement Method:		Placement Time:	

Location

Placement Location: 30 - Curb and Gutter
Location Details: C&G on east side of Private Rd B from 0' to 20' south of shared access road, south side of shared access road from 0' to 50' east of Private Rd B
Sample Location / Notes: C&G on east side of Private Rd B from 0' to 20' south of shared access road, south side of shared access road from 0' to 50' east of Private Rd B

Batch Log

On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 3 - 5 (in)

Field Measurements

Weather:	Slump (in): 4 (ASTM C143)	Plastic Unit Weight: 140.4 (lb/ft³) (ASTM C138)
Air Temperature (F):	Concrete Temp (F): 76 (ASTM C1064)	Air Content: 7.1 (ASTM C231)
		Load Volume:

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
51-1	7	07/26/24	1 / 6	4.00	12.57	52,620	4,190	2		N
51-2	28	08/16/24	1 / 27	4.00	12.57	64,610	5,140	2	PS	N
51-3	28	08/16/24	1 / 27	4.00	12.57	70,120	5,580	3	PS	N
51-4	28	08/16/24	1 / 27	4.00	12.57	60,080	4,780	2	PS	N
51-5	56 H	09/13/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 5170

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 07/20/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 08/30/2024

Sample: 17822

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	53	Technician:	Anthony Bath	Batched:	07:39 MDT
Specimen Size:	4" X 8"	Cast By:	Anthony Bath	Sampled:	08:30 MDT
Specimens In Set:	5	Date Cast:	07/24/24	Cast:	08:43 MDT
Truck / Ticket #:	C8097 / 20654684	Sampled From:	Chute	Truck Empty:	09:19 MDT
Contractor:	Waner Construction	Placement Method:	Chute	Placement Time:	100 (min)

Location

Placement Location:	30 - Curb and Gutter
Location Details:	Curb & Gutter on east side of Lot 2, Road B. Curb & Gutter on north side of Lot 3, Private Dr.
Sample Location / Notes:	East side of Lot 2, Road B

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	3 - 5 (in)

Field Measurements

Weather:	Sunny	Slump (in):	4-1/2 (ASTM C143)	Plastic Unit Weight:	139.2 (lb/ft³) (ASTM C138)
Air Temperature (F):	77	Concrete Temp (F):	76 (ASTM C1064)	Air Content:	5.5 (ASTM C231)
				Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
53-1	7	07/31/24	1 / 6	4.00	12.57	47,190	3,750	3		N
53-2	28	08/21/24	1 / 27	4.00	12.57	67,900	5,400	3	PS	N
53-3	28	08/21/24	1 / 27	4.00	12.57	71,840	5,720	2	PS	N
53-4	28	08/21/24	1 / 27	4.00	12.57	72,870	5,800	2	PS	N
53-5	56 H	09/18/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 5640

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 07/25/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 08/30/2024

Sample: 17829

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	52	Technician:	Phil Aranda	Batched:	06:36 MDT
Specimen Size:	4" X 8"	Cast By:	Phil Aranda	Sampled:	07:38 MDT
Specimens In Set:	5	Date Cast:	07/25/24	Cast:	07:49 MDT
Truck / Ticket #:	1187 / 20654060	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner	Placement Method:	Chute	Placement Time:	

Location

Placement Location:	30 - Curb and Gutter
Location Details:	Curb & Gutter on South side of Private Road B, Approximately 30' West of Private Road A to Inlet C1
Sample Location / Notes:	South side of Private Road B, Approximately 30' West of Private Road A to Approximately 12' East of Inlet C1

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.	Strength:	4500 (psi)
On-Site Admixtures:	8.00 Gal Water (10 yd ³)			Air:	5 - 8 (%)
				Slump:	3 - 5 (in)

Field Measurements

Weather:	Hazy	Slump (in):	4-3/4 (ASTM C143)	Plastic Unit Weight:	139.6 (lb/ft ³) (ASTM C138)
Air Temperature (F):	72	Concrete Temp (F):	77 (ASTM C1064)	Air Content:	5.6 (ASTM C231)
				Load Volume:	10.00 (yd ³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
52-1	7	08/01/24	1 / 6	4.00	12.57	46,360	3,690	2		N
52-2	28	08/22/24	1 / 27	4.00	12.57	74,570	5,930	2	PS	N
52-3	28	08/22/24	1 / 27	4.00	12.57	74,170	5,900	2	PS	N
52-4	28	08/22/24	1 / 27	4.00	12.57	74,220	5,910	2	PS	N
52-5	56 H	09/19/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 5910

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 07/26/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 08/30/2024

Sample: 17835

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	54	Technician:	Anthony Bath	Batched:	06:35 MDT
Specimen Size:	4" X 8"	Cast By:	Anthony Bath	Sampled:	07:33 MDT
Specimens In Set:	5	Date Cast:	07/26/24	Cast:	07:45 MDT
Truck / Ticket #:	1297 / 20654533	Sampled From:	Chute	Truck Empty:	08:09 MDT
Contractor:	Waner Construction	Placement Method:	Chute	Placement Time:	94 (min)

Location

Placement Location:	30 - Curb and Gutter
Location Details:	Curb & Gutter at Road A, North of Lot 4
Sample Location / Notes:	Road A, East of Lot 4

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.
On-Site Admixtures:	None		

Specifications

Strength:	4500 (psi)
Air:	5 - 8 (%)
Slump:	3 - 5 (in)

Field Measurements

Weather:	Sunny	Slump (in):	3 (ASTM C143)	Plastic Unit Weight:	140.4 (lb/ft³) (ASTM C138)
Air Temperature (F):	71	Concrete Temp (F):	74 (ASTM C1064)	Air Content:	5.2 (ASTM C231)
				Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
54-1	7	08/02/24	1 / 6	4.00	12.57	60,030	4,780	3		N
54-2	28	08/23/24	1 / 27	4.00	12.57	92,110	7,330	2	PS	N
54-3	28	08/23/24	1 / 27	4.00	12.57	83,160	6,620	3	PS	N
54-4	28	08/23/24	1 / 27	4.00	12.57	86,190	6,860	3	PS	N
54-5	56 H	09/20/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 6930

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 07/27/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 08/30/2024

Sample: 17849

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	56	Technician:	Anthony Bath	Batched:	07:30 MDT
Specimen Size:	4" X 8"	Cast By:	Anthony Bath	Sampled:	07:40 MDT
Specimens In Set:	5	Date Cast:	07/29/24	Cast:	07:53 MDT
Truck / Ticket #:	1187 / 20654922	Sampled From:	Chute	Truck Empty:	08:34 MDT
Contractor:	Waner Construction	Placement Method:	Chute	Placement Time:	64 (min)

Location

Placement Location:	30 - Various Flatwork
Location Details:	Curb & Gutter at south side of Road A, South of detention basin. Sidewalk on south side of Lincoln Ave from detention basin to SE corner of Lot 7
Sample Location / Notes:	C&G South of detention basin

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	1 - 4 (in)

Field Measurements

Weather:	Sunny	Slump (in):	3-1/2 (ASTM C143)	Plastic Unit Weight:	138.4 (lb/ft³) (ASTM C138)
Air Temperature (F):	79	Concrete Temp (F):	75 (ASTM C1064)	Air Content:	6.5 (ASTM C231)
				Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
56-1	7	08/05/24	3 / 4	4.00	12.57	46,930	3,730	2		N
56-2	28	08/26/24	3 / 25	4.00	12.57	68,400	5,440	2	PS	N
56-3	28	08/26/24	3 / 25	4.00	12.57	67,190	5,350	2	PS	N
56-4	28	08/26/24	3 / 25	4.00	12.57	68,160	5,420	2	PS	N
56-5	56 H	09/23/24	3 / 53							

Test Age Average Strengths (psi): 28 Day - 5400

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.	N: Unbonded Caps (ASTM C1231)
Tested By: John Pawlik (1,2,3,4)	
Checked In : 08/01/2024 (1,2,3,4,5)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 08/30/2024

Sample: 17856

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	55	Technician:	Elizabeth Beierle	Batched:	
Specimen Size:	4" X 8"	Cast By:	Elizabeth Beierle	Sampled:	08:00 MDT
Specimens In Set:	5	Date Cast:	07/30/24	Cast:	08:15 MDT
Truck / Ticket #:	1316 / 20655244	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner	Placement Method:	Chute	Placement Time:	

Location

Placement Location: 30 - Sidewalk
Location Details: City ROW sidewalk on south side of Lincoln Ave from approximately 10' to 50' west of shared access lane entrance
Sample Location / Notes: City ROW sidewalk on south side of Lincoln Ave from approximately 10' to 50' west of shared access lane entrance

Batch Log

Supplier: Burnco
Mix Design: 45C1C1C4C.
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 1 - 4 (in)

Field Measurements

Weather: Partly cloudy
Air Temperature (F): 72
Slump (in): 4 (ASTM C143)
Concrete Temp (F): 74 (ASTM C1064)
Plastic Unit Weight: 139.9 (lb/ft³) (ASTM C138)
Air Content: 7.0 (ASTM C231)
Load Volume: 10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
55-1	7	08/06/24	2 / 5	4.00	12.57	46,500	3,700	2		N
55-2	28	08/27/24	2 / 26	4.00	12.57	62,920	5,010	2	PS	N
55-3	28	08/27/24	2 / 26	4.00	12.57	63,200	5,030	2	PS	N
55-4	28	08/27/24	2 / 26	4.00	12.57	61,220	4,870	2	PS	N
55-5	56 H	09/24/24	2 / 54							

Test Age Average Strengths (psi): 28 Day - 4970

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 08/01/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)

General Remarks

Second truck
4", 6.1%, 137.6lbs, 75 deg



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 08/30/2024

Sample: 17866

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	57	Technician:	Elizabeth Beierle	Batched:	
Specimen Size:	4" X 8"	Cast By:	Elizabeth Beierle	Sampled:	08:15 MDT
Specimens In Set:	5	Date Cast:	07/31/24	Cast:	08:30 MDT
Truck / Ticket #:		Sampled From:	Chute	Truck Empty:	
Contractor:	Waner	Placement Method:		Placement Time:	

Location

Placement Location:	30 - Concrete Paving
Location Details:	Crossspan at Private Rd A and Lot 1
Sample Location / Notes:	Crossspan at Private Rd A and Lot 1

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	3 - 5 (in)

Field Measurements

Weather:	Hazy	Slump (in):	4-3/4 (ASTM C143)	Plastic Unit Weight:	138.6 (lb/ft³) (ASTM C138)
Air Temperature (F):	78	Concrete Temp (F):	74 (ASTM C1064)	Air Content:	6.4 (ASTM C231)
				Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
57-1	7	08/07/24	2 / 5	4.00	12.57	40,600	3,230	2		N
57-2	28	08/28/24	2 / 26	4.00	12.57	59,140	4,710	2	PS	N
57-3	28	08/28/24	2 / 26	4.00	12.57	58,650	4,670	2	PS	N
57-4	28	08/28/24	2 / 26	4.00	12.57	58,190	4,630	2	PS	N
57-5	56 H	09/25/24	2 / 54							

Test Age Average Strengths (psi): 7 Day - 3230, 28 Day - 4670

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 08/02/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 08/30/2024

Sample: 17874

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	58	Technician:	Stephen Matthis	Batched:	06:32 MDT
Specimen Size:	4" X 8"	Cast By:	Stephen Matthis	Sampled:	07:50 MDT
Specimens In Set:	5	Date Cast:	08/01/24	Cast:	08:00 MDT
Truck / Ticket #:	1187 / 20656156	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner / CKC	Placement Method:	Chute	Placement Time:	

Location

Placement Location:	30 - Sidewalk
Location Details:	Sidewalk at Intersection of Road B and Private Drive, Southeast Corner, and North Side of Road B, Approximate Roadway STA 6+50 to 7+00
Sample Location / Notes:	Sidewalk at Intersection of Road B and Private Drive, Southeast Corner

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	3 - 5 (in)

Field Measurements

Weather:	Sunny	Slump (in):	4-1/4 (ASTM C143)	Plastic Unit Weight:	139.2 (lb/ft³) (ASTM C138)
Air Temperature (F):	73	Concrete Temp (F):	84 (ASTM C1064)	Air Content:	5.6 (ASTM C231)
				Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
58-1	7	08/08/24	4 / 3	4.00	12.57	43,660	3,470	3		N
58-2	28	08/29/24	4 / 24	4.00	12.57	63,810	5,080	2	PS	N
58-3	28	08/29/24	4 / 24	4.00	12.57	65,210	5,190	2	PS	N
58-4	28	08/29/24	4 / 24	4.00	12.57	59,160	4,710	2	PS	N
58-5	56 H	09/26/24	4 / 52							

Test Age Average Strengths (psi): 28 Day - 4990

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.	N: Unbonded Caps (ASTM C1231)
Tested By: John Pawlik (1,2,3,4)	
Checked In : 08/05/2024 (1,2,3,4,5)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 08/30/2024

Sample: 17884

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	59	Technician:	Andrew Calogero	Batched:	06:34 MDT
Specimen Size:	4" X 8"	Cast By:	Andrew Calogero	Sampled:	07:25 MDT
Specimens In Set:	5	Date Cast:	08/02/24	Cast:	07:35 MDT
Truck / Ticket #:	C8023 / 20656590	Sampled From:	Chute	Truck Empty:	08:30 MDT
Contractor:	Waner	Placement Method:	Chute	Placement Time:	116 (min)

Location

Placement Location:	30 - Various Flatwork
Location Details:	Curb and gutter on south side of Road A, 20' length approximately 30' east of Dransfeldt Rd; Sidewalk on east side of Road B (south end) south of Storm Inlet D3; Sidewalk on west side of Road B south of Road A including radius at southwest corner of Roads A and B
Sample Location / Notes:	Sampled from curb and gutter, south side west end of Road A

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	3 - 5 (in)

Field Measurements

Weather:	Sunny	Slump (in):	3-3/4 (ASTM C143)	Plastic Unit Weight:	141.8 (lb/ft³) (ASTM C138)
Air Temperature (F):	67	Concrete Temp (F):	80 (ASTM C1064)	Air Content:	5.3 (ASTM C231)
				Load Volume:	7.50 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
59-1	7	08/09/24	3 / 4	4.00	12.57	49,660	3,950	3		N
59-2	28	08/30/24	3 / 25	4.00	12.57	56,910	4,530	2	PS	N
59-3	28	08/30/24	3 / 25	4.00	12.57	55,890	4,450	3	FS	N
59-4	28	08/30/24	3 / 25	4.00	12.57	58,770	4,680	2	PS	N
59-5	56 H	09/27/24	3 / 53							

Test Age Average Strengths (psi): 28 Day - 4550

Capping Methods

PS: The break result meets or exceeds 100% of the required strength. FS: The break result does not meet 100% of the required strength. Tested By: John Pawlik (1,2,3,4) Checked In : 08/05/2024 (1,2,3,4,5)	N: Unbonded Caps (ASTM C1231)
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TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 09/17/2024

Sample: 17907

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	61	Technician:	Phil Aranda	Batched:	09:21 MDT
Specimen Size:	4" X 8"	Cast By:	Phil Aranda	Sampled:	10:27 MDT
Specimens In Set:	5	Date Cast:	08/05/24	Cast:	10:39 MDT
Truck / Ticket #:	1192 / 20657101	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner	Placement Method:	Chute	Placement Time:	

Location

Placement Location:	30 - Curb and Gutter
Location Details:	Curb & Gutter along West side of Dransfeldt Rd, Approximately 40' South of Lincoln Ave to 80' South; Approximately 30' North of Car Wash Entrance to approximately 70' North of Car Wash Entrance.
Sample Location / Notes:	Curb & Gutter along West side of Dransfeldt Rd, Approximately 40' South of Lincoln Ave to 80' South; Approximately 30' North of Car Wash Entrance to approximately 70' North of Car Wash Entrance.

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	1 - 4 (in)

Field Measurements

Weather:	Sunny	Slump (in):	4 (ASTM C143)	Plastic Unit Weight:	138.7 (lb/ft³) (ASTM C138)
Air Temperature (F):	83	Concrete Temp (F):	86 (ASTM C1064)	Air Content:	7.8 (ASTM C231)
				Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
61-1	7	08/12/24	1 / 6	4.00	12.57	48,420	3,850	2		N
61-2	29	09/03/24	1 / 28	4.00	12.57	65,620	5,220	2	PS	N
61-3	29	09/03/24	1 / 28	4.00	12.57	68,010	5,410	3	PS	N
61-4	29	09/03/24	1 / 28	4.00	12.57	62,970	5,010	2	PS	N
61-5	56 H	09/30/24	1 / 55							

Test Age Average Strengths (psi): 29 Day - 5210

Capping Methods

PS: The break result meets or exceeds 100% of the required strength. Tested By: John Pawlik (1,2,3,4) Checked In : 08/06/2024 (1,2,3,4,5)	N: Unbonded Caps (ASTM C1231)
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TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 10/04/2024

Sample: 17913

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	60	Technician:	Elizabeth Beierle	Batched:	06:21 MDT
Specimen Size:	4" X 8"	Cast By:	Elizabeth Beierle	Sampled:	07:25 MDT
Specimens In Set:	5	Date Cast:	08/06/24	Cast:	07:40 MDT
Truck / Ticket #:	1145 / 20657377	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner	Placement Method:	Chute	Placement Time:	

Location

Placement Location:	30 - Various Flatwork
Location Details:	ROW Curb & Gutter on southbound side of Dransfeldt Rd, approximately 40' to 60' south of Lincoln Ave, private sidewalk along south side of Private Drive A from SSMH A5 to SSMH A3
Sample Location / Notes:	City ROW Curb & Gutter along Southbound Dransfeldt Rd

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	1 - 4 (in)

Field Measurements

Weather:	Partly cloudy	Slump (in):	4 (ASTM C143)	Plastic Unit Weight:	138.0 (lb/ft³) (ASTM C138)
Air Temperature (F):	70	Concrete Temp (F):	74 (ASTM C1064)	Air Content:	7.9 (ASTM C231)
				Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
60-1	7	08/13/24	1 / 6	4.00	12.57	43,270	3,440	2		N
60-2	28	09/03/24	1 / 27	4.00	12.57	52,400	4,170	2	FS	N
60-3	28	09/03/24	1 / 27	4.00	12.57	51,240	4,080	2	FS	N
60-4	28	09/03/24	1 / 27	4.00	12.57	55,110	4,380	2	FS	N
60-5	56 H	10/01/24	1 / 55	4.00	12.57	60,780	4,840	2	PS	N

Test Age Average Strengths (psi): 28 Day - 4210

Capping Methods

FS: The break result does not meet 100% of the required strength. PS: The break result meets or exceeds 100% of the required strength. Tested By: John Pawlik (1,2,3,4,5) Checked In : 08/07/2024 (1,2,3,4,5)	N: Unbonded Caps (ASTM C1231)
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TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 11/11/2024
Sample: 17987

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	62	Technician:	Elizabeth Beierle	Batched:	
Specimen Size:	4" X 8"	Cast By:	Elizabeth Beierle	Sampled:	10:55 MDT
Specimens In Set:	5	Date Cast:	08/16/24	Cast:	11:10 MDT
Truck / Ticket #:	1119 / 20660641	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner	Placement Method:	Chute	Placement Time:	

Location

Placement Location:	30 - Various Flatwork
Location Details:	City ROW sidewalk with ADA ramp 0-20' east of Lincoln Ave entrance along eastbound Lincoln Ave; Private curb and gutter 0-45' SE of Lincoln entrance along northern side of shared drive
Sample Location / Notes:	City ROW sidewalk 0-20' east of Lincoln Ave entrance

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	1 - 4 (in)

Field Measurements

Weather:	Partly cloudy	Slump (in):	4 (ASTM C143)	Plastic Unit Weight:	139.6 (lb/ft³) (ASTM C138)
Air Temperature (F):	82	Concrete Temp (F):	78 (ASTM C1064)	Air Content:	7.2 (ASTM C231)
				Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
62-1	7	08/23/24	1 / 6	4.00	12.57	42,200	3,360	2		N
62-2	28	09/13/24	1 / 27	4.00	12.57	52,250	4,160	2	FS	N
62-3	28	09/13/24	1 / 27	4.00	12.57	51,960	4,130	2	FS	N
62-4	28	09/13/24	1 / 27	4.00	12.57	51,220	4,080	2	FS	N
62-5	56 H	10/11/24	1 / 55	4.00	12.57	62,620	4,980	2	PS	N

Test Age Average Strengths (psi): 28 Day - 4120

Capping Methods

FS: The break result does not meet 100% of the required strength. PS: The break result meets or exceeds 100% of the required strength. Tested By: John Pawlik (1,2,3,4,5) Checked In : 08/17/2024 (1,2,3,4,5)	N: Unbonded Caps (ASTM C1231)
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TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 09/17/2024
Sample: 17994

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	63	Technician:	Elizabeth Beierle	Batched:	
Specimen Size:	4" X 8"	Cast By:	Elizabeth Beierle	Sampled:	08:30 MDT
Specimens In Set:	5	Date Cast:	08/19/24	Cast:	08:45 MDT
Truck / Ticket #:	C8057 / 20661027	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner	Placement Method:	Chute	Placement Time:	

Location

Placement Location:	30 - Various Flatwork
Location Details:	Crossspan concrete for north half of Lowe's Entrance from Dransfeldt Rd, Curb & Gutter 0-15' north of crossspan, and ADA ramp on northwest side of intersection
Sample Location / Notes:	Crossspan concrete for north half of Lowe's Entrance from Dransfeldt Rd, Curb & Gutter 0-15' north of crossspan, and ADA ramp on northwest side of intersection

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	1 - 4 (in)

Field Measurements

Weather:	Partly cloudy	Slump (in):	3-1/4 (ASTM C143)	Plastic Unit Weight:	141.0 (lb/ft ³) (ASTM C138)
Air Temperature (F):	71	Concrete Temp (F):	80 (ASTM C1064)	Air Content:	5.5 (ASTM C231)
				Load Volume:	10.00 (yd ³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
63-1	7	08/26/24	1 / 6	4.00	12.57	60,290	4,800	2		N
63-2	28	09/16/24	1 / 27	4.00	12.57	78,650	6,260	2	PS	N
63-3	28	09/16/24	1 / 27	4.00	12.57	79,050	6,290	2	PS	N
63-4	28	09/16/24	1 / 27	4.00	12.57	79,460	6,320	2	PS	N
63-5	56 H	10/14/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 6290

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.	N: Unbonded Caps (ASTM C1231)
Tested By: John Pawlik (1,2,3,4)	
Checked In : 08/20/2024 (1,2,3,4,5)	

General Remarks

Truck 2 batched at 7:27am
Water added at 9:32 am, began pouring at 9:35 AM
4.0" slump, 5.4% air content, 84 °F concrete, 141.4 pcf unit weight



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 10/04/2024

Sample: 18002

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	64	Technician:	Elizabeth Beierle	Batched:	
Specimen Size:	4" X 8"	Cast By:	Elizabeth Beierle	Sampled:	07:45 MDT
Specimens In Set:	5	Date Cast:	08/20/24	Cast:	08:00 MDT
Truck / Ticket #:	1145 / 20661445	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner	Placement Method:	Chute	Placement Time:	

Location

Placement Location:	30 - Various Flatwork
Location Details:	ROW Curb & Gutter on Southbound side of Dransfeldt Rd 45-70' south of Lowe's entrance, and sidewalk 0-30' Northwest of Private Rd B and shared access entrance from Lincoln Ave
Sample Location / Notes:	ROW Curb & Gutter on Southbound side of Dransfeldt Rd 45-70' south of Lowe's entrance, and sidewalk 0-30' Northwest of Private Rd B and shared access entrance from Lincoln Ave

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	1 - 4 (in)

Field Measurements

Weather:	Partly cloudy	Slump (in):	3-1/2 (ASTM C143)	Plastic Unit Weight:	139.6 (lb/ft³) (ASTM C138)
Air Temperature (F):	72	Concrete Temp (F):	75 (ASTM C1064)	Air Content:	6.1 (ASTM C231)
				Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
64-1	7	08/27/24	1 / 6	4.00	12.57	66,240	5,270	2		N
64-2	28	09/17/24	1 / 27	4.00	12.57	83,510	6,640	2	PS	N
64-3	28	09/17/24	1 / 27	4.00	12.57	87,460	6,960	2	PS	N
64-4	28	09/17/24	1 / 27	4.00	12.57	85,620	6,810	2	PS	N
64-5	56 H	10/15/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 6800

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.	N: Unbonded Caps (ASTM C1231)
Tested By: John Pawlik (1,2,3,4)	
Checked In : 08/21/2024 (1,2,3,4,5)	

General Remarks

2nd truck: 81 °F concrete, 4.0" slump, 7.9%, 140 pcf unit weight



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 10/04/2024

Sample: 18088

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	65	Technician:	Anthony Bath	Batched:	09:09 MDT
Specimen Size:	4" X 8"	Cast By:	Anthony Bath	Sampled:	10:33 MDT
Specimens In Set:	5	Date Cast:	08/29/24	Cast:	10:45 MDT
Truck / Ticket #:	1203 / 20664725	Sampled From:	Chute	Truck Empty:	11:03 MDT
Contractor:	Waner Construction	Placement Method:	Chute	Placement Time:	114 (min)

Location

Placement Location: 30 - Curb and Gutter
Location Details: C&G/ADA Ramp at Southwest corner of Lincoln Ave and Dransfeldt Rd
Sample Location / Notes: C&G/ADA Ramp at Southwest corner of Lincoln Ave and Dransfeldt Rd

Batch Log

Supplier: Burnco
On-Site Admixtures: None
Mix Design: 45C1C1C4C.

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 1 - 4 (in)

Field Measurements

Weather: Sunny
Air Temperature (F): 78
Slump (in): 3-3/4 (ASTM C143)
Concrete Temp (F): 81 (ASTM C1064)
Plastic Unit Weight: 138.0 (lb/ft³) (ASTM C138)
Air Content: 7.8 (ASTM C231)
Load Volume: 8.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
65-1	7	09/05/24	1 / 6	4.00	12.57	44,640	3,550	2		N
65-2	28	09/26/24	1 / 27	4.00	12.57	61,970	4,930	2	PS	N
65-3	28	09/26/24	1 / 27	4.00	12.57	64,870	5,160	2	PS	N
65-4	28	09/26/24	1 / 27	4.00	12.57	65,620	5,220	2	PS	N
65-5	56 H	10/24/24	1 / 55							

Test Age Average Strengths (psi): 28 Day - 5100

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 08/30/2024 (1,2,3,4,5)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 11/11/2024
Sample: 18247

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	66	Technician:	Bill Garrity	Batched:	11:59 MDT
Specimen Size:	4" X 8"	Cast By:	Bill Garrity	Sampled:	13:05 MDT
Specimens In Set:	5	Date Cast:	09/19/24	Cast:	13:20 MDT
Truck / Ticket #:	1293 / 20670086	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner Construction	Placement Method:	Chute	Placement Time:	

Location

Placement Location:	30 - Various Flatwork
Location Details:	Southern 1/2 of crossspan at shopping center entrance and curb/gutter tie-ins along the west side of Dransfeldt at the north and south ends of project area
Sample Location / Notes:	Sampled at crossspan

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	1 - 4 (in)

Field Measurements

Weather:	Sunny	Slump (in):	3-3/4 (ASTM C143)	Plastic Unit Weight:	141.4 (lb/ft³) (ASTM C138)
Air Temperature (F):	78	Concrete Temp (F):	75 (ASTM C1064)	Air Content:	7.8 (ASTM C231)
				Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
66-1	7	09/26/24	1 / 6	4.00	12.57	50,650	4,030	3		N
66-2	28	10/17/24	1 / 27	4.00	12.57	72,640	5,780	2	PS	N
66-3	28	10/17/24	1 / 27	4.00	12.57	70,070	5,570	3	PS	N
66-4	28	10/17/24	1 / 27	4.00	12.57	71,420	5,680	2	PS	N

Test Age Average Strengths (psi): 28 Day - 5680

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.	N: Unbonded Caps (ASTM C1231)
Tested By: John Pawlik (1,2,3,4)	
Checked In : 09/20/2024 (1,2,3,4)	

General Remarks

2nd Truck: 4.0" slump, 7.8% air content, 77 degrees and 140.5 pcf unit weight
3rd Truck: 4.0" slump, 8.0% air content, 80 degrees and 139.8 pcf unit weight



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 11/11/2024

Sample: 18315

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	67	Technician:	Stephen Matthis	Batched:	09:36 MDT
Specimen Size:	4" X 8"	Cast By:	Stephen Matthis	Sampled:	10:30 MDT
Specimens In Set:	5	Date Cast:	09/27/24	Cast:	10:45 MDT
Truck / Ticket #:	C8102 / 20672308	Sampled From:	Chute	Truck Empty:	
Contractor:	CKC	Placement Method:	Chute	Placement Time:	

Location

Placement Location:	30 - Sidewalk
Location Details:	Dransfeldt, Sidewalk along Southbound Lane, West Side, From Intersection of Dransfeldt & Lincoln to Intersection of Dransfeldt & Private Road A
Sample Location / Notes:	Dransfeldt, Sidewalk along SB Lane, West Side, From Intersection of Dransfeldt & Lincoln to Intersection of Dransfeldt & Private Road A

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.
On-Site Admixtures:	None		

Specifications

Strength:	4500 (psi)
Air:	5 - 8 (%)
Slump:	1 - 4 (in)

Field Measurements

Weather:	Sunny	Slump (in):	4 (ASTM C143)	Plastic Unit Weight:	140.0 (lb/ft³) (ASTM C138)
Air Temperature (F):	80	Concrete Temp (F):	78 (ASTM C1064)	Air Content:	7.2 (ASTM C231)
				Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
67-1	7	10/04/24	1 / 6	4.00	12.57	47,420	3,770	2		N
67-2	28	10/25/24	1 / 27	4.00	12.57	57,940	4,610	2	PS	N
67-3	28	10/25/24	1 / 27	4.00	12.57	60,170	4,790	2	PS	N
67-4	28	10/25/24	1 / 27	4.00	12.57	61,120	4,860	2	PS	N

Test Age Average Strengths (psi): 28 Day - 4750

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.	N: Unbonded Caps (ASTM C1231)
Tested By: John Pawlik (1,2,3,4)	
Checked In : 09/28/2024 (1,2,3,4)	

General Remarks

2nd truck: 141.4 pcf unit weight, 6.4% air content, 82 °F concrete, 4.0" slump
3rd truck: 139.8 pcf unit weight, 7.4% air content, 81 °F concrete, 4.0" slump



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 11/11/2024

Sample: 18351

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	68	Technician:	Lucas Irizarry	Batched:	08:02 MDT
Specimen Size:	4" X 8"	Cast By:	Lucas Irizarry	Sampled:	09:05 MDT
Specimens In Set:	5	Date Cast:	10/02/24	Cast:	09:15 MDT
Truck / Ticket #:	1174 / 20673556	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner Construction	Placement Method:	Chute	Placement Time:	

Location

Placement Location:	30 - Sidewalk
Location Details:	Southbound Lane West side sidewalk, Approximate STA (Southbound Dransfeldt?)
Sample Location / Notes:	Dransfeldt SB Lane West side sidewalk, Approximate STA

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	1 - 4 (in)

Field Measurements

Weather:	Sunny	Slump (in):	4 (ASTM C143)	Plastic Unit Weight:	142.0 (lb/ft³) (ASTM C138)
Air Temperature (F):	73	Concrete Temp (F):	69 (ASTM C1064)	Air Content:	6.0 (ASTM C231)
				Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
68-1	7	10/09/24	1 / 6	4.00	12.57	58,420	4,650	2		N
68-2	28	10/30/24	1 / 27	4.00	12.57	81,990	6,520	3	PS	N
68-3	28	10/30/24	1 / 27	4.00	12.57	80,010	6,370	4	PS	N
68-4	28	10/30/24	1 / 27	4.00	12.57	78,310	6,230	2	PS	N

Test Age Average Strengths (psi): 28 Day - 6370

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.	N: Unbonded Caps (ASTM C1231)
Tested By: John Pawlik (1,2,3,4)	
Checked In : 10/03/2024 (1,2,3,4)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 11/11/2024
Sample: 18409

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	69	Technician:	Andrew Calogero	Batched:	08:25 MDT
Specimen Size:	4" X 8"	Cast By:	Andrew Calogero	Sampled:	09:30 MDT
Specimens In Set:	5	Date Cast:	10/10/24	Cast:	09:40 MDT
Truck / Ticket #:	1216 / 20676007	Sampled From:	Chute	Truck Empty:	10:05 MDT
Contractor:	Waner	Placement Method:	Pump	Placement Time:	100 (min)

Location

Placement Location: 30 - Sidewalk
Location Details: Approximately 175' of sidewalk along eastbound Lincoln Ave, from southwest corner of Lincoln Ave and Parker Road to 175' west
Sample Location / Notes: East end of sidewalk at southwest corner of Lincoln Ave and Parker Road

Batch Log

Supplier: Burnco
Mix Design: 45C1C1C4C.
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 1 - 4 (in)

Field Measurements

Weather: Sunny	Slump (in): 3-3/4 (ASTM C143)	Plastic Unit Weight: 139.1 (lb/ft³) (ASTM C138)
Air Temperature (F): 62	Concrete Temp (F): 72 (ASTM C1064)	Air Content: 7.9 (ASTM C231)
		Load Volume: 10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
69-1	7	10/17/24	1 / 6	4.00	12.57	48,920	3,890	2		N
69-2	28	11/07/24	1 / 27	4.00	12.57	67,480	5,370	2	PS	N
69-3	28	11/07/24	1 / 27	4.00	12.57	67,010	5,330	2	PS	N
69-4	28	11/07/24	1 / 27	4.00	12.57	68,250	5,430	2	PS	N

Test Age Average Strengths (psi): 28 Day - 5380

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 10/11/2024 (1,2,3,4)

N: Unbonded Caps (ASTM C1231)

General Remarks

2nd truck: 140.3 pcf unit weight, 7.1% air content, 3.5" slump, 73 °F concrete



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 11/11/2024

Sample: 18479

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	72	Technician:	Julia Bishop	Batched:	09:16 MDT
Specimen Size:	4" X 8"	Cast By:	Julia Bishop	Sampled:	10:30 MDT
Specimens In Set:	5	Date Cast:	10/18/24	Cast:	10:50 MDT
Truck / Ticket #:	C8005 / 20678711	Sampled From:	Chute	Truck Empty:	11:02 MDT
Contractor:	Waner	Placement Method:	Chute	Placement Time:	106 (min)

Location

Placement Location: 30 - Curb and Gutter
Location Details: East side of Dransfeldt from 15'N of the SWC of site to Lincoln Ave.
Sample Location / Notes: South half

2nd truck-3.5 Slump/6.8 Air/59 degrees/140.0 Unit Weight

Batch Log

Supplier: Burnco Mix Design: 45C1C1C4C.
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 1 - 4 (in)

Field Measurements

Weather: Slump (in): 4 (ASTM C143) Plastic Unit Weight: 139.6 (lb/ft³) (ASTM C138)
Air Temperature (F): Concrete Temp (F): 58 (ASTM C1064) Air Content: 6.2 (ASTM C231)
Load Volume: 10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
72-1	7	10/25/24	5 / 2	4.00	12.57	41,820	3,330	2		N

Test Age Average Strengths (psi): 7 Day - 3330

Capping Methods

Tested By: John Pawlik (1)
Checked In : 10/23/2024 (1)
N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 11/11/2024

Sample: 18487

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	70	Technician:	Phil Aranda	Batched:	06:25 MDT
Specimen Size:	4" X 8"	Cast By:	Phil Aranda	Sampled:	07:29 MDT
Specimens In Set:	5	Date Cast:	10/21/24	Cast:	07:41 MDT
Truck / Ticket #:	1120 / 20678910	Sampled From:	Chute	Truck Empty:	
Contractor:	Waner	Placement Method:	Chute	Placement Time:	

Location

Placement Location:	30 - Curb and Gutter
Location Details:	E side of Dransfeldt Road, approximately 50' S of Lincoln Ave to approximately 120' S of Lincoln Ave
Sample Location / Notes:	E side of Dransfeldt Road, approximately 50' S of Lincoln Ave to approximately 120' S of Lincoln Ave

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.
On-Site Admixtures:	None		

Specifications

Strength:	4500 (psi)
Air:	5 - 8 (%)
Slump:	3 - 5 (in)

Field Measurements

Weather:	Cloudy	Slump (in):	4 (ASTM C143)	Plastic Unit Weight:	140.0 (lb/ft³) (ASTM C138)
Air Temperature (F):	49	Concrete Temp (F):	68 (ASTM C1064)	Air Content:	7.2 (ASTM C231)
				Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234										
Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
70-1	7	10/28/24	1 / 6	4.00	12.57	43,380	3,450	2		N
								Capping Methods		
Tested By: John Pawlik (1)								N: Unbonded Caps (ASTM C1231)		
Checked In : 10/22/2024 (1)										



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 11/11/2024

Sample: 18496

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	71	Technician:	Tommie Kelly Huff	Batched:	07:58 MDT
Specimen Size:	4" X 8"	Cast By:	Tommie Kelly Huff	Sampled:	08:55 MDT
Specimens In Set:	5	Date Cast:	10/22/24	Cast:	09:10 MDT
Truck / Ticket #:	1203 / 20679340	Sampled From:	Chute	Truck Empty:	
Contractor:		Placement Method:	Chute	Placement Time:	

Location

Placement Location:	30 - Curb and Gutter
Location Details:	Curb and gutter approximately 0-5' North and South of Crossspan at intersection of Private road A and Dransfeldt Rd. Crossspan at intersection of Private road A and Dransfeldt Rd.
Sample Location / Notes:	Curb and gutter approximately 5' South of Crossspan at intersection of Private road A and Dransfeldt Rd.

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	3 - 5 (in)

Field Measurements

Weather:	Partly Cloudy	Slump (in):	4-1/2 (ASTM C143)	Plastic Unit Weight:	142.0 (lb/ft³) (ASTM C138)
Air Temperature (F):	62	Concrete Temp (F):	68 (ASTM C1064)	Air Content:	5.8 (ASTM C231)
				Load Volume:	5.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
71-1	7	10/29/24	1 / 6	4.00	12.57	50,940	4,050	2		N

Capping Methods

Tested By: John Pawlik (1)	N: Unbonded Caps (ASTM C1231)
Checked In : 10/23/2024 (1)	

General Remarks

Truck #1183 tested with results 4.25", 68 degrees, 35.4lbs and 6% air.



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 11/11/2024

Sample: 18518

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	73	Technician:	Tommie Kelly Huff	Batched:	07:34 MDT
Specimen Size:	4" X 8"	Cast By:	Tommie Kelly Huff	Sampled:	08:35 MDT
Specimens In Set:	5	Date Cast:	10/23/24	Cast:	08:50 MDT
Truck / Ticket #:	1361 / 20679717	Sampled From:	Chute	Truck Empty:	
Contractor:		Placement Method:	Chute	Placement Time:	

Location

Placement Location:	30 - Curb and Gutter
Location Details:	ADA ramp and Curb and gutter approximately 0-25' South of intersection of Lincoln and Dransfeldt Rd.
Sample Location / Notes:	Curb and gutter at the intersection of Lincoln and Dransfeldt Rd.

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.
On-Site Admixtures:	None		

Specifications

Strength:	4500 (psi)
Air:	5 - 8 (%)
Slump:	3 - 5 (in)

Field Measurements

Weather:	Partly Cloudy	Slump (in):	3 (ASTM C143)	Plastic Unit Weight:	144.0 (lb/ft³) (ASTM C138)
Air Temperature (F):	60	Concrete Temp (F):	68 (ASTM C1064)	Air Content:	5.0 (ASTM C231)
				Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234										
Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
73-1	7	10/30/24	1 / 6	4.00	12.57	50,280	4,000	2		N
								Capping Methods		
Tested By: John Pawlik (1)								N: Unbonded Caps (ASTM C1231)		
Checked In : 10/24/2024 (1)										

General Remarks

Second truck tested and results were a 3.5" slump, 35.8lbs, 66 degrees and 5.4%



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 11/11/2024

Sample: 18537

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	74	Technician:	Tommie Kelly Huff	Batched:	06:40 MDT
Specimen Size:	4" X 8"	Cast By:	Tommie Kelly Huff	Sampled:	07:37 MDT
Specimens In Set:	5	Date Cast:	10/24/24	Cast:	07:50 MDT
Truck / Ticket #:	1122 / 20680068	Sampled From:	Chute	Truck Empty:	
Contractor:		Placement Method:	Chute	Placement Time:	

Location

Placement Location: 30 - Curb and Gutter
Location Details: Sidewalk along the North side of Private road A approximate stations: 3+00 to 4+50
Sample Location / Notes: Sidewalk along the North side of Private road A approximate stations: 3+00

Batch Log

Supplier: Burnco
Mix Design: 45C1C1C4C.
On-Site Admixtures: None

Specifications

Strength: 4500 (psi)
Air: 5 - 8 (%)
Slump: 3 - 5 (in)

Field Measurements

Weather: Partly Cloudy	Slump (in): 4-1/2 (ASTM C143)	Plastic Unit Weight: 140.8 (lb/ft ³) (ASTM C138)
Air Temperature (F): 60	Concrete Temp (F): 72 (ASTM C1064)	Air Content: 6.0 (ASTM C231)
		Load Volume: 10.00 (yd ³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
74-1	7	10/31/24	1 / 6	4.00	12.57	43,350	3,450	2		N
								Capping Methods		
Tested By: John Pawlik (1)								N: Unbonded Caps (ASTM C1231)		
Checked In : 10/25/2024 (1)										



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 01/21/2025
Sample: 18735

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	75	Technician:	Tommie Kelly Huff	Batched:	08:19 MST
Specimen Size:	4" X 8"	Cast By:	Tommie Kelly Huff	Sampled:	09:15 MST
Specimens In Set:	5	Date Cast:	11/26/24	Cast:	09:30 MST
Truck / Ticket #:	C8012 / 20686620	Sampled From:	Chute	Truck Empty:	
Contractor:		Placement Method:	Chute	Placement Time:	

Location

Placement Location:	30 - Sidewalk
Location Details:	Sidewalk along Dransfeldt Rd approximately 0-130' South of Lincoln Ave and along Lincoln Ave approximately 0-50' East of Dransfeldt Rd
Sample Location / Notes:	Sidewalk at the SE corner of Dransfeldt Rd and Lincoln Ave.

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	3 - 5 (in)

Field Measurements

Weather:	Partly Cloudy	Slump (in):	5 (ASTM C143)	Plastic Unit Weight:	138.8 (lb/ft³) (ASTM C138)
Air Temperature (F):	45	Concrete Temp (F):	73 (ASTM C1064)	Air Content:	7.8 (ASTM C231)
				Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
75-1	7	12/03/24	1 / 6	4.00	12.57	43,020	3,420	2		N
75-2	28	12/24/24	1 / 27	4.00	12.57	62,470	4,970	2	PS	N
75-3	28	12/24/24	1 / 27	4.00	12.57	63,840	5,080	2	PS	N
75-4	28	12/24/24	1 / 27	4.00	12.57	60,680	4,830	2	PS	N

Test Age Average Strengths (psi): 28 Day - 4960

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.	N: Unbonded Caps (ASTM C1231)
Tested By: John Pawlik (1,2,3,4)	
Checked In : 11/27/2024 (1,2,3,4)	

General Remarks

Second truck tested at a " slump, lbs unit weight, and a % air



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 01/21/2025

Sample: 18772

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Sample Details

Set #:	76	Technician:	Tommie Kelly Huff	Batched:	07:48 MST
Specimen Size:	4" X 8"	Cast By:	Tommie Kelly Huff	Sampled:	09:00 MST
Specimens In Set:	5	Date Cast:	12/05/24	Cast:	09:15 MST
Truck / Ticket #:	1292 / 20687887	Sampled From:	Chute	Truck Empty:	
Contractor:		Placement Method:	Chute	Placement Time:	

Location

Placement Location:	30 - Sidewalk
Location Details:	Sidewalk along Dransfeldt Road approximately 0-40' South and 0-60' North of Private road A
Sample Location / Notes:	Sidewalk along Dransfeldt Road approximately 60' North of Private road A

Batch Log

Supplier:	Burnco	Mix Design:	45C1C1C4C.	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	3 - 5 (in)

Field Measurements

Weather:	Partly Cloudy	Slump (in):	4-1/2 (ASTM C143)	Plastic Unit Weight:	137.6 (lb/ft³) (ASTM C138)
Air Temperature (F):	42	Concrete Temp (F):	70 (ASTM C1064)	Air Content:	8.0 (ASTM C231)
				Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
76-1	7	12/12/24	1 / 6	4.00	12.57	38,580	3,070	2		N
76-2	28	01/02/25	1 / 27	4.00	12.57	57,080	4,540	2	PS	N
76-3	28	01/02/25	1 / 27	4.00	12.57	57,290	4,560	2	PS	N
76-4	28	01/02/25	1 / 27	4.00	12.57	57,800	4,600	2	PS	N

Test Age Average Strengths (psi): 28 Day - 4570

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.

Tested By: John Pawlik (1,2,3,4)

Checked In : 12/06/2024 (1,2,3,4)

N: Unbonded Caps (ASTM C1231)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6

Foundation Observation



Foundation Observation

Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminister, CO 80234
Phone: 303.996.2999

Client:
Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 05/09/2024

Activity Number: 1

Technician: Elizabeth Beierle

Weather: Partly cloudy

Results Reported to: Mike

Temperature: 51

With: Waner

Frequency: Asynchronous

Observation details

Location: Storm pond - west end of site

Location Details: Footing subgrade for retaining wall that surrounds pond

Field Notes:

CGG technician observed an area of over digging and backfilling on the east half of the north end of pond that had not been moisture conditioned and compacted, resulting in a loose and unstable subgrade. Recommended ripping, moisture conditioning, and re-compacting the retaining wall subgrade to achieve a firm base for retaining wall footings.



Foundation Observation

Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminister, CO 80234
Phone: 303.996.2999

Client:
Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 06/04/2024

Activity Number: 2

Technician: Barry Moore

Weather: Overcast

Results Reported to: Mike

Temperature: 65

With: Waner

Frequency: Asynchronous

Observation details

Location: Detention pond, west side of site

Location Details: Retaining wall subgrade

Field Notes:

CGG observed the subgrade for the pond retaining wall and the subgrade appeared via manually T-probing. Subgrade appeared firm, stable and ready for footing placement.

Mass Earthwork



Roadway or Flatwork

Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminister, CO 80234
Phone: 303.996.2999

Client:
Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 10/15/2024	Activity Number: 9
Technician: Bill Garrity	Weather: Clear
Results Reported to: Craig	Temperature: 48
With: Waner Construction	Frequency: Asynchronous

Observation details

Location: East Side of Dransfeldt Road

Location Details: East Side of Dransfeldt Road

Field Notes:

CGG arrived on site for the scheduled compaction testing. The crew informed CGG that they did not process the material due to its proximity to underground utilities. Waner informed CGG that the area passed a proof roll yesterday and requested that CGG test the area and an additional area. CGG informed Waner that my schedule prohibited the additional compaction tests and that dispatch would send another representative from CGG to conduct the testing.



Roadway or Flatwork

Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminister, CO 80234
Phone: 303.996.2999

Client:
Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 10/21/2024

Activity Number: 10

Technician: Phil Aranda

Weather: Cloudy

Results Reported to: Craig

Temperature: 52

With: Waner

Frequency: Asynchronous

Observation details
Location: Lot 1 Location Details: Lot 1 Field Notes: CGG was asked to perform informational density tests at 3 random locations in Lot 1 because future contractor was asking for information. 1. N side of Lot 1, Approx. 60' E of NEC of Detention Pond East Wall - 114.1/5.3% 2. Center of Lot 1, Approx. 65' E of Detention Pond East Wall - 113.2/4.8% 3. S side of Lot 1, Approx. 60' E of NEC of Detention Pond East Wall - 106.5/7.9%



Roadway or Flatwork

Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminister, CO 80234
Phone: 303.996.2999

Client:
Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 10/29/2024

Technician: Tommie Kelly Huff

Results Reported to: Von

Activity Number: 11

Weather: Partly Cloudy

Temperature: 50

Frequency: Asynchronous

Observation details

Location: NB Dransfeldt Rd.

Location Details: NB right turn lane from Private Road A to Lincoln Ave.

Field Notes:

A CGG technician arrived onsite to perform a moisture check. Proctor 7780 was used, requiring 10.7-14.7% moisture. The Southside test was 8.5%, and the Northside test was 8.8%. The contractor advised moisture conditioning in the area.



Roadway or Flatwork

Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminister, CO 80234
Phone: 303.996.2999

Client:
Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 11/18/2024

Activity Number: 12

Technician: Tommie Kelly Huff

Weather: Partly Cloudy

Results Reported to: Craig

Temperature: 45

Frequency: Asynchronous

Observation details

Location: Dransfeldt Rd.

Location Details: Sidewalk along the East side of Dransfeldt Rd, from Lincoln Ave. to the SW corner of site.

Field Notes: Subgrade appeared to be frozen approximately 6" down and over saturated.



Mass Earthwork

Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminister, CO 80234
Phone: 303.996.2999

Client:
Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 11/07/2023	Activity Number: 1
Technician: Dan Wagner	Weather: Sunny
Results Reported to: Mike	Temperature: 52
With: Waner Construction	Frequency: Asynchronous

Observation details

Location: Ditch along Lincoln Avenue

Location Details: North side of site, ditch running East-West along the sidewalk south of Lincoln Ave

Field Notes:
CGG T-probed the subgrade material and found varying depths of soft/wet soil (between 12" - 24" depths). Mike with Waner Construction was informed of the depths of soft soil to be removed prior to backfill in order to provide a stable platform to fill upon.



Mass Earthwork

Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminister, CO 80234
Phone: 303.996.2999

Client:
Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Photographs



Image Photographer: Dan Wagner

Image Date Taken: 11/07/2023

Image Description: North ditch on west side.



Image Photographer: Dan Wagner

Image Date Taken: 11/07/2023

Image Description: North ditch on east side.



Mass Earthwork

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1070 West 124th Ave
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Client:
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Suite 200
Leawood, KS 66211

Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Discrepancies
Discrepancy Number: 1 Discrepancy Description: Soft/unstable soil beneath proposed backfill Status: Close Resolution Date: 11/10/2023 Resolution Description: Soft subgrade was removed prior to backfill.



Mass Earthwork

Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
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Client:
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Suite 200
Leawood, KS 66211

Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 11/08/2023

Activity Number: 2

Technician: Stephen Matthis

Weather: Cloudy

Results Reported to: Mike

Temperature: 39

With: Waner Construction

Frequency: Asynchronous

Observation details

Location: Ditch along Lincoln Avenue

Location Details: North side of site, ditch running East-West along the sidewalk of Lincoln Ave.

Field Notes:

CGG probed the subgrade material and found varying depths of soft material (18" - 24" depths), with the deepest sections of wet material at the eastern side of the ditch. Mike with Wagner Construction was informed of the depths of soft soil to be removed prior to backfill.



Mass Earthwork

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Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Discrepancies

Discrepancy Number: 2

Discrepancy Description: Unstable soil to underneath proposed fill

Status: Close

Resolution Date: 11/10/2023

Resolution Description: Soft subgrade was removed prior to backfill.



Image Description: Wet material at East side of ditch

Photographer:

☒ Stephen Matthis

Image Date Taken: 11/08/2023



Mass Earthwork

Cole Garner Geotechnical
1070 West 124th Ave
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Phone: 303.996.2999

Client:
Plaza Street Fund 106, LLC
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Suite 200
Leawood, KS 66211

Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 11/10/2023

Activity Number: 3

Technician: Andrew Calogero

Weather: Partly cloudy

Results Reported to: Mike

Temperature: 35

With: Waner

Frequency: Asynchronous

Observation details

Location: Ditch along Lincoln Avenue

Location Details: North side of site, ditch running east-west along Lincoln Avenue

Field Notes: CGG observed that the soft subgrade has been removed, and the ditch area is suitable for backfill placement.



Mass Earthwork

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Client:
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Suite 200
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Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 11/07/2023	Activity Number: 1
Technician: Dan Wagner	Weather: Sunny
Results Reported to: Mike	Temperature: 52
With: Waner Construction	Frequency: Asynchronous

Observation details

Location: Ditch along Lincoln Avenue

Location Details: North side of site, ditch running East-West along the sidewalk south of Lincoln Ave

Field Notes:
CGG T-probed the subgrade material and found varying depths of soft/wet soil (between 12" - 24" depths). Mike with Waner Construction was informed of the depths of soft soil to be removed prior to backfill in order to provide a stable platform to fill upon.



Mass Earthwork

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Leawood, KS 66211

Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Photographs



Image Photographer: Dan Wagner
Image Date Taken: 11/07/2023
Image Description: North ditch on west side.



Image Photographer: Dan Wagner
Image Date Taken: 11/07/2023
Image Description: North ditch on east side.



Mass Earthwork

Cole Garner Geotechnical
1070 West 124th Ave
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Leawood, KS 66211

Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Discrepancies

Discrepancy Number: 1

Discrepancy Description: Soft/unstable soil beneath proposed backfill

Status: Close

Resolution Date: 11/10/2023

Resolution Description: Soft subgrade was removed prior to backfill.



Mass Earthwork

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Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 11/08/2023

Activity Number: 2

Technician: Stephen Matthis

Weather: Cloudy

Results Reported to: Mike

Temperature: 39

With: Waner Construction

Frequency: Asynchronous

Observation details

Location: Ditch along Lincoln Avenue

Location Details: North side of site, ditch running East-West along the sidewalk of Lincoln Ave.

Field Notes:

CGG probed the subgrade material and found varying depths of soft material (18" - 24" depths), with the deepest sections of wet material at the eastern side of the ditch. Mike with Wagner Construction was informed of the depths of soft soil to be removed prior to backfill.



Mass Earthwork

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Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Discrepancies

Discrepancy Number: 2

Discrepancy Description: Unstable soil to underneath proposed fill

Status: Close

Resolution Date: 11/10/2023

Resolution Description: Soft subgrade was removed prior to backfill.



Image Description: Wet material at East side of ditch

Photographer:

☒ Stephen Matthis

Image Date Taken: 11/08/2023



Mass Earthwork

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1070 West 124th Ave
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Client:
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Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 11/10/2023

Activity Number: 3

Technician: Andrew Calogero

Weather: Partly cloudy

Results Reported to: Mike

Temperature: 35

With: Waner

Frequency: Asynchronous

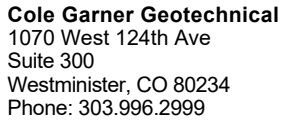
Observation details

Location: Ditch along Lincoln Avenue

Location Details: North side of site, ditch running east-west along Lincoln Avenue

Field Notes: CGG observed that the soft subgrade has been removed, and the ditch area is suitable for backfill placement.

Proof Roll



Client:

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Number: 2

Weather: P cloudy

Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Proof Roll

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 08/21/2024

Activity Number: 1

Technician: Elizabeth Beierle

Weather: Partly cloudy

Work Completed

Location: Private Roads A and B

Location Details: Subgrade for asphalt on Private Roads A, B, and unnamed stub west of private Rd B/shared drive

Contractor: Waner

Earthwork Contractor: Brannan

Equipment in Operation: Fully loaded water truck

Method/Process Description: Idle wheel roll

Observed Deflection, in: 0

Observations/Recommendations: Subgrade appears stable with no observed deflection.

Reported to: Craig

Contractor: Waner

Discrepancy: No

Reinforced or PT Concrete



Reinforced or PT Concrete

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Client:
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Suite 200
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Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 02/19/2024 **Activity Number:** 1
Technician: Kory Klinkerman **City Of:** Parker
Weather: Clear **Temperature (°F):** 27
Environmental Placement Conditions: Cold Weather Provisions

Work Completed

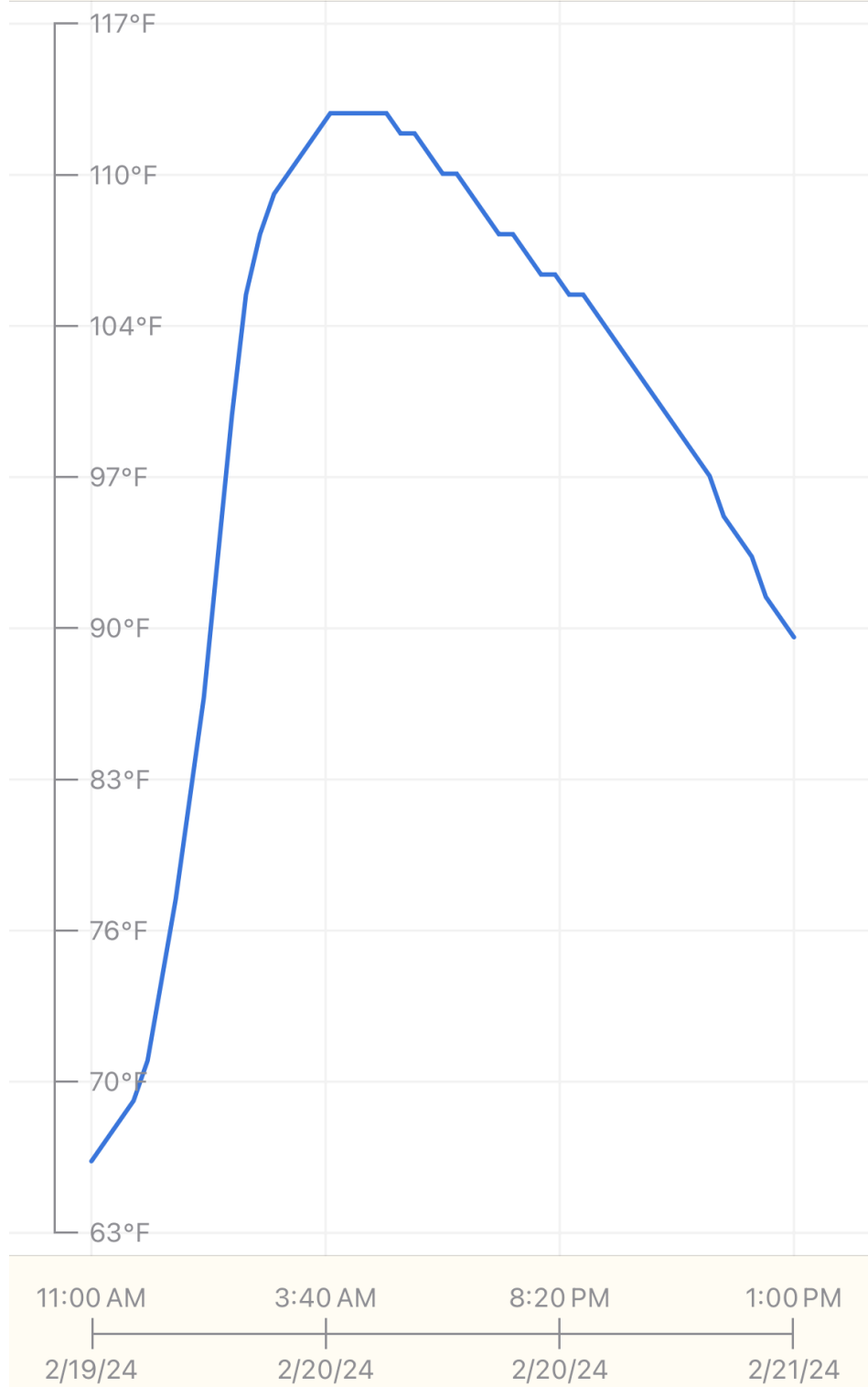
Location: Storm line E
Location Details: Base for storm manhole E3
Level/Floor: Ground
Scope of Inspection: Reinforcing and Concrete Placement
Frequency: Asynchronous **Plans & Details Referenced:** CDOT M-604-20
Approved Mix Design Verified: Yes **Concrete/Shotcrete/Gunite:** Concrete
Deformed Bar Placement/Size/Grade: Yes **Form Condition/Cover/Clearance:** Yes
Penetrations: Acceptable **Method of Deposition:** Tailgate or Chute
Consolidation Adequate: Yes
Inspection Results Communicated To: On site foreman

4:06



Manhole E3 Base

000000638ACD





Reinforced or PT Concrete

Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
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Phone: 303.996.2999

Client:

Plaza Street Fund 106, LLC
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Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 02/22/2024

Activity Number: 2

Technician: Aaron Smith

City Of: Parker

Weather: Overcast

Temperature (°F): 38

Environmental Placement Conditions: Cold Weather Provisions

Work Completed

Location: Storm Line E

Location Details: Manhole E4 Base, approximate station 4+85

Level/Floor: Ground

Scope of Inspection: Reinforcing and Concrete Placement

Frequency: Asynchronous

Plans & Details Referenced: CDOT M-604-20

Approved Mix Design Verified: Yes

Concrete/Shotcrete/Gunite: Concrete

Deformed Bar Placement/Size/Grade: Yes

Form Condition/Cover/Clearance: Yes

Penetrations: Acceptable

Method of Deposition: Tailgate or Chute

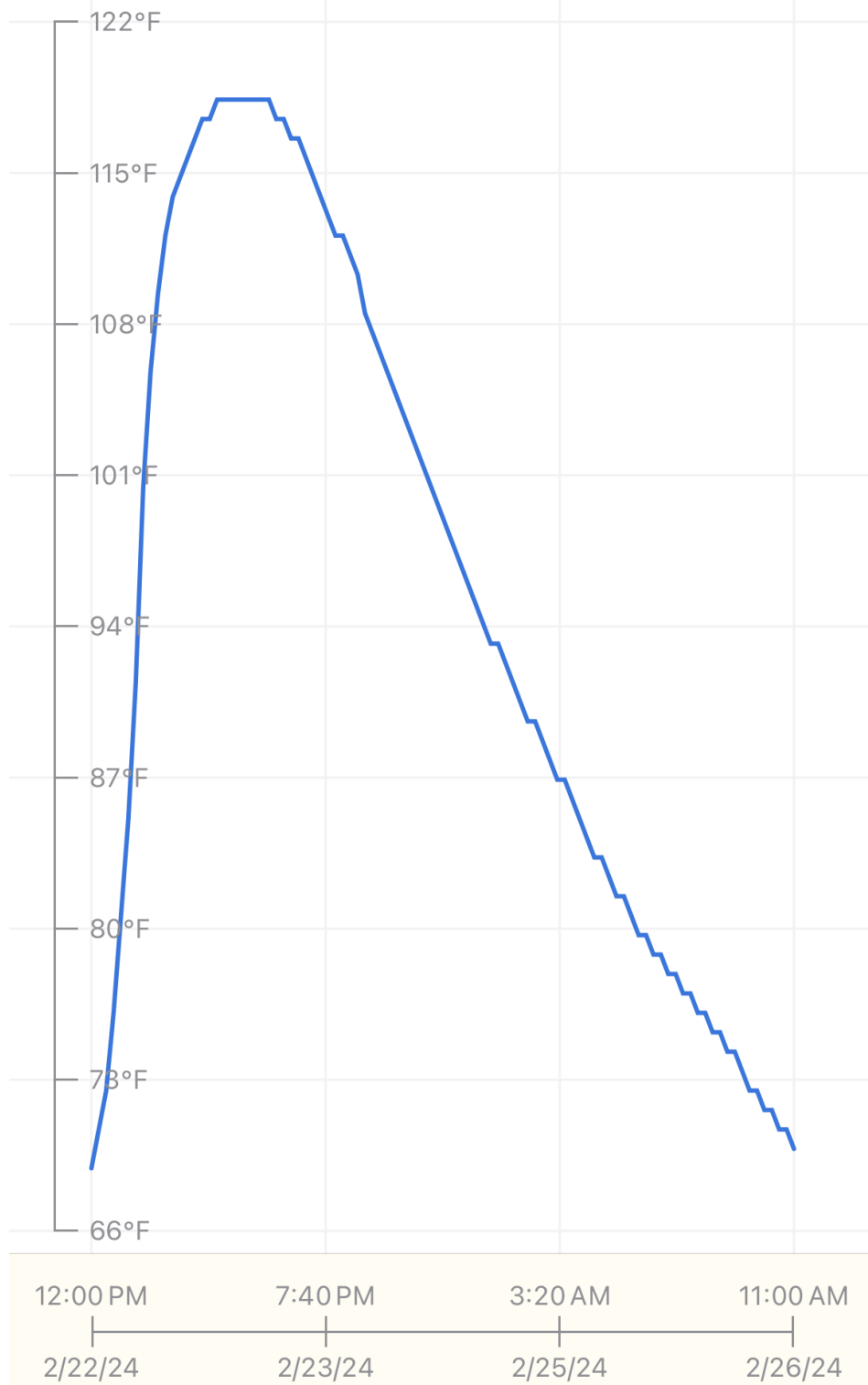
Consolidation Adequate: Yes

Inspection Results Communicated To: Mike w/ Waner



Manhole E4 Base

Manhole E4 Base





Reinforced or PT Concrete

Cole Garner Geotechnical
1070 West 124th Ave
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Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 06/11/2024 **Activity Number:** 39
Technician: Barry Moore **City Of:** Parker
Weather: Clear **Temperature (°F):** 90

Work Completed

Location: Retaining wall at pond, west end of site
Location Details: Retaining wall footings
Level/Floor: Ground
Scope of Inspection: Reinforcing
Frequency: Asynchronous **Plans & Details Referenced:**
Rosch Engineering Job No.: 23-0361
Deformed Bar Placement/Size/Grade: Yes **Form Condition/Cover/Clearance:** Yes
Inspection Results Communicated To: Mike w/ Waner



Reinforced or PT Concrete

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Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 06/13/2024 **Activity Number:** 40
Technician: Anthony Bath **City Of:** Parker
Weather: Sunny **Temperature (°F):** 83
Environmental Placement Conditions: Normal

Work Completed

Location: Pond, west end of site
Location Details: Retaining wall footings
Level/Floor: Foundation
Scope of Inspection: Concrete Placement
Frequency: Continuous **Approved Mix Design Verified:** Yes
Concrete/Shotcrete/Gunite: Concrete **Method of Deposition:** Pump
Consolidation Adequate: Yes
Inspection Results Communicated To: Mike w/ Waner Construction



Reinforced or PT Concrete

Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
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Client:
Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 06/26/2024 **Activity Number:** 41
Technician: Dan Wagner **City Of:** Parker
Weather: Sunny **Temperature (°F):** 75

Work Completed

Location: Pond, west end of site
Location Details: Pond retaining walls
Level/Floor: Walls
Scope of Inspection: Reinforcing

Frequency: Asynchronous **Plans & Details Referenced:**
Rosch Engineering Job No.: 23-0361
Deformed Bar Placement/Size/Grade: Yes **Form Condition/Cover/Clearance:** Yes

Field Notes: Work appeared to meet project specifications.
Inspection Results Communicated To: Mike with Waner Construction

Photographs

Image Upload:



Description: Wall rebar
Date Taken: 06/26/2024 **Photographer:**
Dan Wagner

Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Reinforced or PT Concrete

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 06/28/2024

Activity Number: 42

Technician: Phil Aranda

City Of: Parker

Weather: Sunny

Temperature (°F): 83

Environmental Placement Conditions: Normal

Work Completed

Location: Pond, west end of site

Location Details: Retaining Walls

Level/Floor: Ground

Scope of Inspection: Concrete Placement

Frequency: Continuous

Approved Mix Design Verified: Yes

Concrete/Shotcrete/Gunite: Concrete

Method of Deposition: Pump

Consolidation Adequate: Yes

Inspection Results Communicated To: Mike w/ Waner



Reinforced or PT Concrete

Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminister, CO 80234
Phone: 303.996.2999

Client:
Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 03/13/2024 **Activity Number:** 3
Technician: Elizabeth Beierle **City Of:** Parker
Weather: Overcast **Temperature (°F):** 45
Environmental Placement Conditions: Cold Weather Provisions

Work Completed

Location: Storm Outlet Structure
Location Details: Outlet structure in pond, base of structure
Level/Floor: Ground
Scope of Inspection: Reinforcing and Concrete Placement
Frequency: Asynchronous **Plans & Details Referenced:** RFI 25
Approved Mix Design Verified: Yes **Concrete/Shotcrete/Gunite:** Concrete
Deformed Bar Placement/Size/Grade: Yes **Form Condition/Cover/Clearance:** Yes
Penetrations: Acceptable **Method of Deposition:** Crane Bucket
Consolidation Adequate: Yes
Field Notes: Reinforcing steel and concrete placement appears to conform with plans and specifications.
Inspection Results Communicated To: Mike with Waner

Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Reinforced or PT Concrete

Client:

Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 02/19/2024

Activity Number: 1

Technician: Kory Klinkerman

City Of: Parker

Weather: Clear

Temperature (°F): 27

Environmental Placement Conditions: Cold Weather Provisions

Work Completed

Location: Storm line E

Location Details: Base for storm manhole E3

Level/Floor: Ground

Scope of Inspection: Reinforcing and Concrete Placement

Frequency: Asynchronous

Plans & Details Referenced: CDOT M-604-20

Approved Mix Design Verified: Yes

Concrete/Shotcrete/Gunite: Concrete

Deformed Bar Placement/Size/Grade: Yes

Form Condition/Cover/Clearance: Yes

Penetrations: Acceptable

Method of Deposition: Tailgate or Chute

Consolidation Adequate: Yes

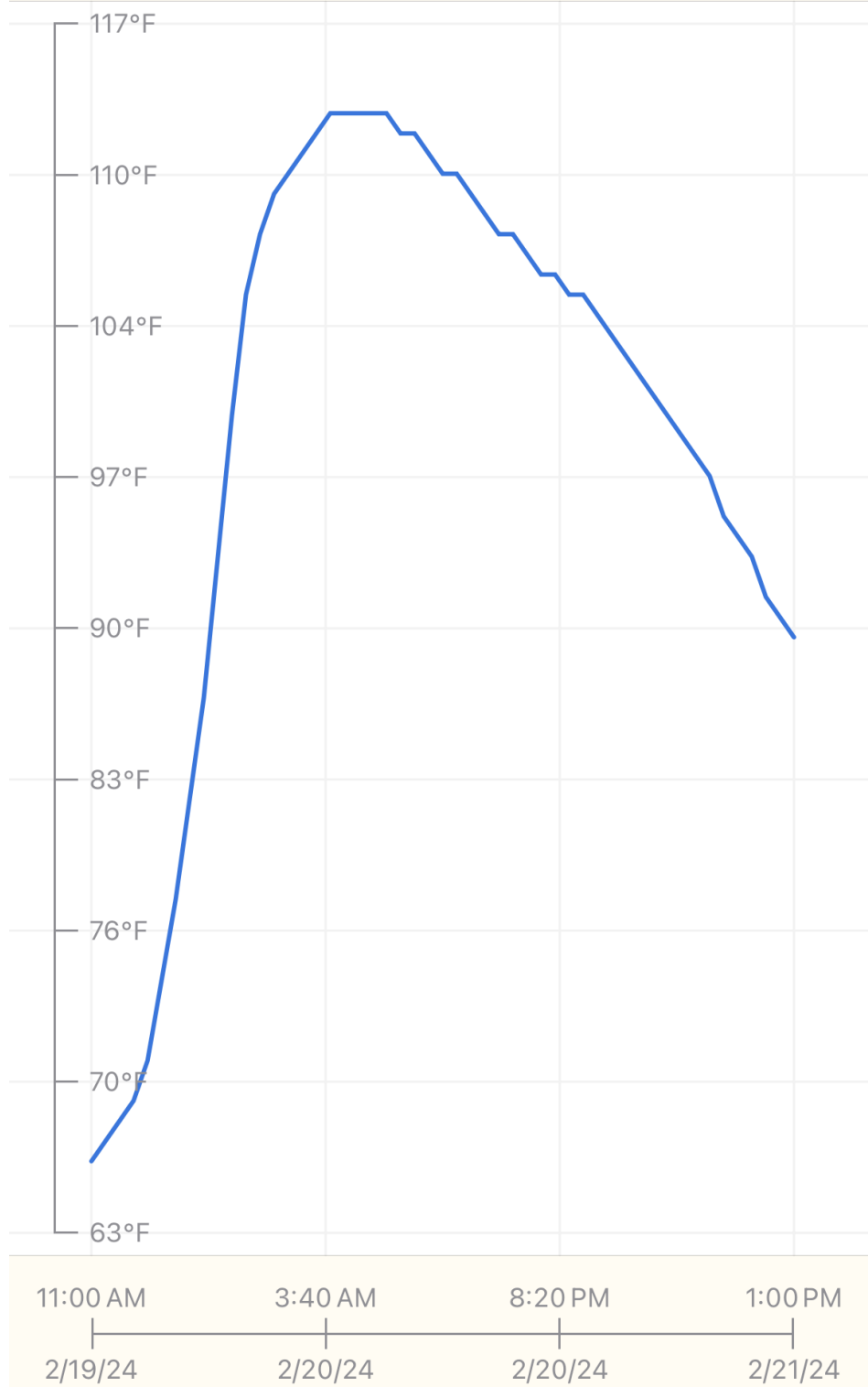
Inspection Results Communicated To: On site foreman

4:06



Manhole E3 Base

000000638ACD





Reinforced or PT Concrete

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Client:

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Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 02/22/2024

Activity Number: 2

Technician: Aaron Smith

City Of: Parker

Weather: Overcast

Temperature (°F): 38

Environmental Placement Conditions: Cold Weather Provisions

Work Completed

Location: Storm Line E

Location Details: Manhole E4 Base, approximate station 4+85

Level/Floor: Ground

Scope of Inspection: Reinforcing and Concrete Placement

Frequency: Asynchronous

Plans & Details Referenced: CDOT M-604-20

Approved Mix Design Verified: Yes

Concrete/Shotcrete/Gunite: Concrete

Deformed Bar Placement/Size/Grade: Yes

Form Condition/Cover/Clearance: Yes

Penetrations: Acceptable

Method of Deposition: Tailgate or Chute

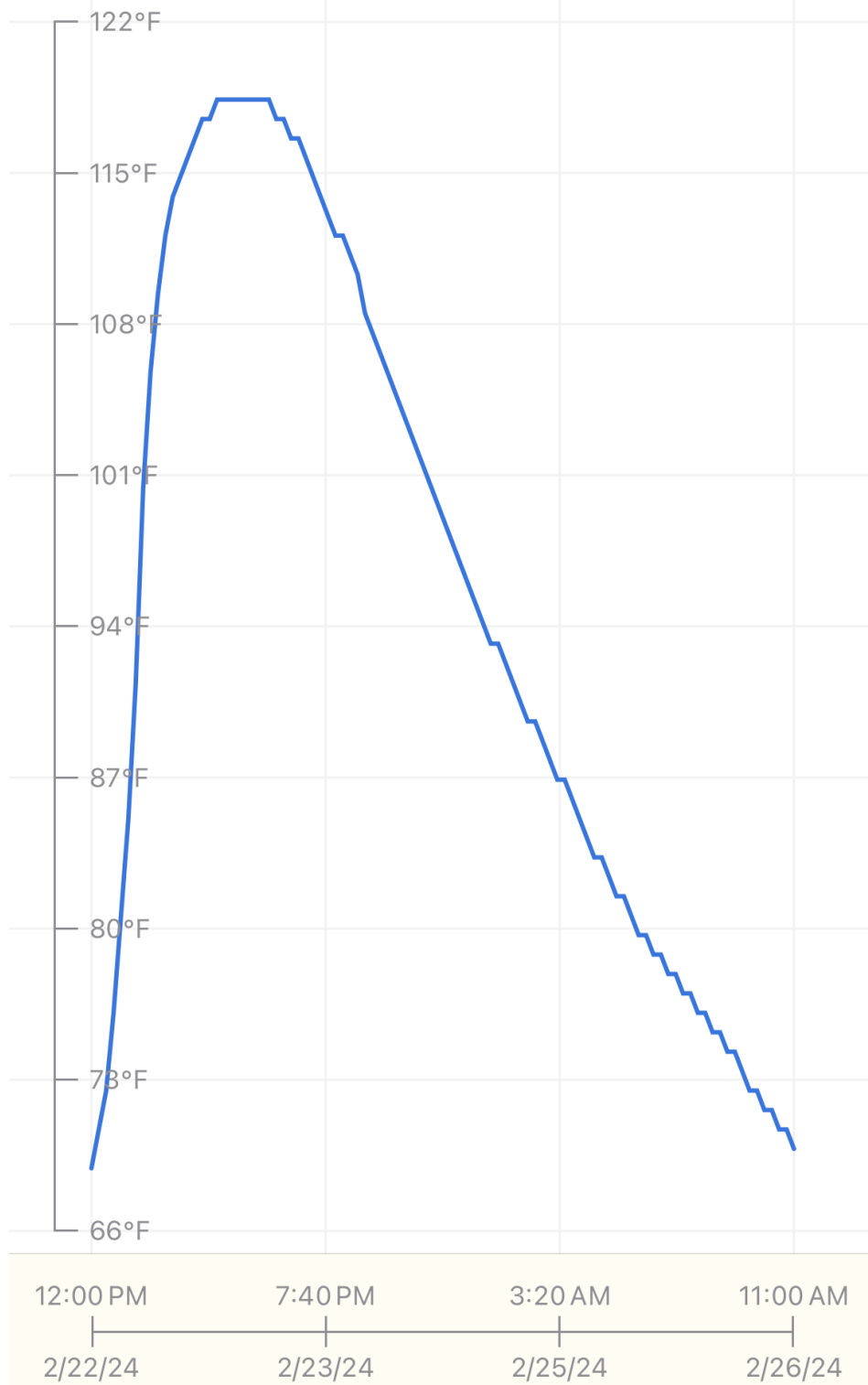
Consolidation Adequate: Yes

Inspection Results Communicated To: Mike w/ Waner



Manhole E4 Base

Manhole E4 Base





Reinforced or PT Concrete

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Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 03/20/2024 **Activity Number:** 4
Technician: Kory Klinkerman **City Of:** Parker
Weather: Clear **Temperature (°F):** 50
Environmental Placement Conditions: Normal

Work Completed

Location: Sanitary Manhole A1
Location Details: Sanitary tie-in at Manhole A1
Level/Floor: Ground
Scope of Inspection: Concrete Placement
Frequency: Continuous **Approved Mix Design Verified:** Yes
Concrete/Shotcrete/Gunite: Concrete **Method of Deposition:** Tailgate or Chute
Consolidation Adequate: Yes
Inspection Results Communicated To: Mike w/ Waner



Reinforced or PT Concrete

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Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 03/21/2024

Activity Number: 5

Technician: Aaron Smith

City Of: Parker

Weather: Clear

Temperature (°F): 60

Environmental Placement Conditions: Cold Weather Provisions

Work Completed

Location: Detention Basin

Location Details: EDB Outlet Control Structure Walls

Level/Floor: Ground

Scope of Inspection: Reinforcing and Concrete Placement

Frequency: Asynchronous

Plans & Details Referenced: RFI #10

Approved Mix Design Verified: Yes

Concrete/Shotcrete/Gunite: Concrete

Deformed Bar Placement/Size/Grade: Yes

Form Condition/Cover/Clearance: Yes

Penetrations: Acceptable

Method of Deposition: Crane Bucket

Consolidation Adequate: Yes

Inspection Results Communicated To: Mike Beaudoin w/ Waner



Reinforced or PT Concrete

Cole Garner Geotechnical
1070 West 124th Ave
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Phone: 303.996.2999

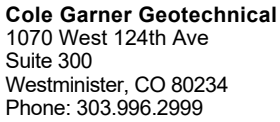
Client:
Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 03/29/2024 **Activity Number:** 7
Technician: Kyle Rynearson **City Of:** Parker
Weather: Partly cloudy **Temperature (°F):** 53
Environmental Placement Conditions: Normal

Work Completed

Location: Detention pond
Location Details: Slab of Forebay for pond
Level/Floor: Ground
Scope of Inspection: Reinforcing and Concrete Placement
Frequency: Asynchronous **Plans & Details Referenced:** D1/CIP Structures Notes
Approved Mix Design Verified: Yes **Concrete/Shotcrete/Gunite:** Concrete
Deformed Bar Placement/Size/Grade: Yes **Form Condition/Cover/Clearance:** Yes
Method of Deposition: Tailgate or Chute **Consolidation Adequate:** Yes
Inspection Results Communicated To: Mike w/ Waner



Client:

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Number: 8

City Of: Parker

Temperature (°F): 60



Reinforced or PT Concrete

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Suite 200
Leawood, KS 66211

Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 04/04/2024 **Activity Number:** 9
Technician: Aaron Smith **City Of:** Parker
Weather: Clear **Temperature (°F):** 55
Environmental Placement Conditions: Cold Weather Provisions

Work Completed

Location: Detention Pond
Location Details: Forebay Walls and Baffle
Level/Floor: Ground
Scope of Inspection: Concrete Placement
Frequency: Asynchronous **Approved Mix Design Verified:** Yes
Concrete/Shotcrete/Gunite: Concrete **Method of Deposition:** Crane Bucket
Consolidation Adequate: Yes
Inspection Results Communicated To: Mike Beaudoin w/ Waner



Reinforced or PT Concrete

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Phone: 303.996.2999

Client:

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3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 04/12/2024

Activity Number: 10

Technician: Mario Carrion

City Of: Parker

Weather: Partly cloudy

Temperature (°F): 50

Environmental Placement Conditions: Normal

Work Completed

Location: Storm Line A

Location Details: Manhole A-1 Base

Level/Floor: Ground

Scope of Inspection: Concrete Placement

Frequency: Continuous

Approved Mix Design Verified: Yes

Concrete/Shotcrete/Gunite: Concrete

Method of Deposition: Tailgate or Chute

Consolidation Adequate: Yes

Field Notes:

Initial concrete test yielded 3.5% air content. Truck driver added 5 gallons of water and remixed. Secondary testing results were in conformance with project specifications.

Inspection Results Communicated To: Mike W/ Waner



Reinforced or PT Concrete

Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminister, CO 80234
Phone: 303.996.2999

Client:
Plaza Street Fund 106, LLC
3400 College Boulevard
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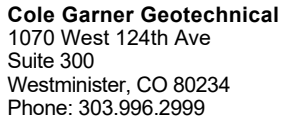
Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 04/17/2024 **Activity Number:** 11
Technician: Aaron Smith **City Of:** Parker
Weather: Partly Cloudy **Temperature (°F):** 75
Environmental Placement Conditions: Normal

Work Completed

Location: Storm Line E
Location Details: Manhole E3 Base, approximate station 1+61
Level/Floor: Ground
Scope of Inspection: Concrete Placement
Frequency: Asynchronous
Concrete/Shotcrete/Gunite: Concrete
Consolidation Adequate: Yes
Inspection Results Communicated To: Mike Beaudoin

Approved Mix Design Verified: Yes
Method of Deposition: Other



Client:

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Number: 12

City Of: Parker

Temperature (°F): 40

Work Completed

Page 2 of 8



Reinforced or PT Concrete

Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminister, CO 80234
Phone: 303.996.2999

Client:
Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 04/23/2024 **Activity Number:** 13
Technician: Aaron Smith **City Of:** Parker
Weather: Cloudy **Temperature (°F):** 56
Environmental Placement Conditions: Normal

Work Completed

Location: Storm Lines B and I
Location Details: Inlet Bases B1 & I1
Level/Floor: Ground
Scope of Inspection: Concrete Placement
Frequency: Asynchronous **Approved Mix Design Verified:** Yes
Concrete/Shotcrete/Gunite: Concrete **Method of Deposition:** Tailgate or Chute
Consolidation Adequate: Yes
Inspection Results Communicated To: Mike Beaudoin



Reinforced or PT Concrete

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Client:
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Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 04/24/2024 **Activity Number:** 14
Technician: Aaron Smith **City Of:** Parker
Weather: Partly Cloudy **Temperature (°F):** 77
Environmental Placement Conditions: Normal

Work Completed

Location: Storm Line A
Location Details: Inlet A3 Base, approximate station 2+31
Level/Floor: Ground
Scope of Inspection: Concrete Placement
Frequency: Asynchronous **Approved Mix Design Verified:** Yes
Concrete/Shotcrete/Gunite: Concrete **Method of Deposition:** Tailgate or Chute
Consolidation Adequate: Yes
Inspection Results Communicated To: Mike Beaudoin



Reinforced or PT Concrete

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Client:
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Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 04/25/2024 **Activity Number:** 15
Technician: Andrew Calogero **City Of:** Parker
Weather: Cloudy **Temperature (°F):** 73
Environmental Placement Conditions: Normal

Work Completed

Location: Storm - west end of site
Location Details: Storm Inlet I-1 walls and 24 feet of trickle channel in center of detention pond
Level/Floor: Ground
Scope of Inspection: Concrete Placement
Frequency: Continuous **Approved Mix Design Verified:** Yes
Concrete/Shotcrete/Gunite: Concrete **Method of Deposition:** Tailgate or Chute
Consolidation Adequate: Yes
Inspection Results Communicated To: Mike w/ Waner



Reinforced or PT Concrete

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Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 04/30/2024 **Activity Number:** 16
Technician: Andrew Calogero **City Of:** Parker
Weather: Sunny **Temperature (°F):** 72
Environmental Placement Conditions: Normal

Work Completed

Location: Storm Line E
Location Details: Manhole E1 at STA 1+00 (Denver Type B MH)
Level/Floor: Ground
Scope of Inspection: Concrete Placement
Frequency: Continuous
Concrete/Shotcrete/Gunite: Concrete
Consolidation Adequate: Yes
Inspection Results Communicated To: Mike w/ Waner

Approved Mix Design Verified: Yes
Method of Deposition: Other



Reinforced or PT Concrete

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Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 04/30/2024 **Activity Number:** 17
Technician: Anthony Bath **City Of:** Parker
Weather: Sunny **Temperature (°F):** 45
Environmental Placement Conditions: Normal

Work Completed

Location: Storm
Location Details: Storm Manholes A5 and H1 Bases
Level/Floor: Ground
Scope of Inspection: Concrete Placement
Frequency: Continuous **Approved Mix Design Verified:** Yes
Concrete/Shotcrete/Gunite: Concrete **Method of Deposition:** Tailgate or Chute
Consolidation Adequate: Yes
Inspection Results Communicated To: Mike w/ Waner



Reinforced or PT Concrete

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Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 04/26/2024 **Activity Number:** 19
Technician: Aaron Smith **City Of:** Parker
Weather: Cloudy **Temperature (°F):** 64
Environmental Placement Conditions: Cold Weather Provisions

Work Completed

Location: Storm Lines C & E
Location Details:

- Box Manhole E1, approximate station 1+00
- Manhole C1, approximate station 1+72

Level/Floor: Ground
Scope of Inspection: Concrete Placement
Frequency: Asynchronous
Concrete/Shotcrete/Gunite: Concrete
Consolidation Adequate: Yes
Inspection Results Communicated To: Waner Personnel

Approved Mix Design Verified: Yes
Method of Deposition: Tailgate or Chute



Reinforced or PT Concrete

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Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 05/01/2024

Activity Number: 18

Technician: Anthony Bath

City Of: Parker

Weather: Sunny

Temperature (°F): 43

Environmental Placement Conditions: Normal

Work Completed

Location: Storm

Location Details: Storm Manholes A6 and D4 bases

Level/Floor: Ground

Scope of Inspection: Concrete Placement

Frequency: Continuous

Approved Mix Design Verified: Yes

Concrete/Shotcrete/Gunite: Concrete

Method of Deposition: Tailgate or Chute

Consolidation Adequate: Yes

Inspection Results Communicated To: Mike w/ Waner



Reinforced or PT Concrete

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Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 05/02/2024 **Activity Number:** 20
Technician: Anthony Bath **City Of:** Parker
Weather: Sunny **Temperature (°F):** 61
Environmental Placement Conditions: Normal

Work Completed

Location: Storm
Location Details: Storm Manholes C1, D2 and D3 Bases
Level/Floor: Ground
Scope of Inspection: Concrete Placement
Frequency: Continuous **Approved Mix Design Verified:** Yes
Concrete/Shotcrete/Gunite: Concrete **Method of Deposition:** Tailgate or Chute
Consolidation Adequate: Yes
Inspection Results Communicated To: Mike w/ Waner



Reinforced or PT Concrete

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Client:

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Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 05/07/2024

Activity Number: 21

Technician: Stephen Matthis

City Of: Parker

Weather: Partly Cloudy, Windy

Temperature (°F): 53

Environmental Placement Conditions: Normal

Work Completed

Location: Storm Line C

Location Details: Storm Line C, Type R Inlet C-1 (STA 1+34) Walls

Level/Floor: Ground

Scope of Inspection: Reinforcing and Concrete Placement

Frequency: Asynchronous

Plans & Details Referenced: M-604-12

Approved Mix Design Verified: No

Concrete/Shotcrete/Gunite: Shotcrete

Deformed Bar Placement/Size/Grade: Yes

Form Condition/Cover/Clearance: Yes

Penetrations: Acceptable

Method of Deposition: Tailgate or Chute

Consolidation Adequate: Yes

Inspection Results Communicated To: Mike with Waner



Reinforced or PT Concrete

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Phone: 303.996.2999

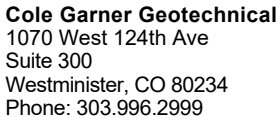
Client:
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Suite 200
Leawood, KS 66211

Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 05/08/2024 **Activity Number:** 22
Technician: Andrew Calogero **City Of:** Parker
Weather: Sunny **Temperature (°F):** 56
Environmental Placement Conditions: Normal

Work Completed

Location: Storm Line D
Location Details: Inlet D2 walls
Level/Floor: Ground
Scope of Inspection: Concrete Placement
Frequency: Continuous **Approved Mix Design Verified:** Yes
Concrete/Shotcrete/Gunite: Concrete **Method of Deposition:** Tailgate or Chute
Consolidation Adequate: Yes
Inspection Results Communicated To: Mike w/ Waner



Client:

Project:

23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Number: 23

City Of: Parker

Temperature (°F): 50

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Roadway or
Flatwork



Roadway or Flatwork

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Client:
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Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 06/25/2024	Activity Number: 1
Technician: Elizabeth Beierle	Weather: Partly cloudy
Results Reported to: Mike	Temperature: 93
With: Waner	Frequency: Asynchronous

Observation details

Location: Road A

Location Details: Curb and gutter subgrade for Rd A

Field Notes:
Subgrade material needs to be reprocessed prior to concrete placement for C&G. CGG technician provided informational moisture density readings and recommended scarifying, moisture-conditioning and re-compacting.



Cole Garner Geotechnical
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Consolidated

Flatwork Observations
Report Date: 10/16/24

Client:	Project:
Plaza Street Fund 106, LLC 3400 College Boulevard Suite 200 Leawood, KS 66211	23.23.159 Dransfeldt and Lincoln Lincoln Avenue & Dransfeldt Road Parker, CO

Consolidated Flatwork Observation reports from 7/16/24-10/4/24

Table of Contents	
Title	Description
Roadway or Flatwork	Subgrade observation SB Dransfeldt
Roadway or Flatwork	SB Dransfeldt compaction-moisture observation
Roadway or Flatwork	Pavement-flatwork observations
Roadway or Flatwork	Southbound Dransfeldt subgrade observation-recommendation
Roadway or Flatwork	Flatwork subgrade observation southbound Dransfeldt Rd



Roadway or Flatwork

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Client:
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Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 09/16/2024	Activity Number: 8
Technician: Elizabeth Beierle	Weather: Partly cloudy
Results Reported to: Craig	Temperature: 85
With: Waner	Frequency: Asynchronous

Observation details

Location: Dransfeldt Road

Location Details: Sidewalk subgrade along Southbound side of Dransfeldt Rd from Lincoln Avenue to Lowe's Entrance

Field Notes:
CGG technician scheduled to provide subgrade moisture density testing. Subgrade material has not been processed, informational densities were provided and a proctor sample acquired.



Roadway or Flatwork

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Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 08/29/2024	Activity Number: 7
Technician: Anthony Bath	Weather: Sunny
Results Reported to: Craig	Temperature: 83
With: Waner	Frequency: Asynchronous

Observation details

Location: Dransfeldt & Lincoln

Location Details:

Southbound Dransfeldt Rd, south of Lincoln St. CGG conducted spot check compaction tests for the contractor for moisture and compaction of roadway widening subgrade.



Roadway or Flatwork

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Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 08/19/2024

Activity Number: 3

Technician: Elizabeth Beierle

Weather: Partly cloudy

Results Reported to: Craig

Temperature: 70

With: Waner

Frequency: Asynchronous

Observation details

Location: Dransfeldt Rd C&G

Location Details: Subgrade for C&G on SB side of Dransfeldt Rd, approx 45-70' south of Lowe's entrance rd

Field Notes:

Subgrade soils are unstable and do not appear to have been processed prior to inspection. Recommended scarifying, moisture conditioning and recompactng subgrade material



Roadway or Flatwork

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Client:
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Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 08/19/2024

Activity Number: 4

Technician: Phil Aranda

Weather: Sunny

Results Reported to: Craig

Temperature: 86

With: Waner

Frequency: Continuous

Observation details

Location: Roadway SG

Location Details: Private Road A Subgrade from approximately Private Road B to Dransfeldt

Field Notes:

Earthworks contractor LV wanted informational moisture & density testing on areas stated above. Moisture content ranged from 5.8%-7% which is slightly below the minimum required moisture content. LV to continue working Subgrade in area to achieve proper grade and moisture content.



Roadway or Flatwork

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Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 08/26/2024	Activity Number: 5
Technician: Andrew Calogero	Weather: Partly cloudy
Results Reported to: Craig	Temperature: 80
With: Waner	Frequency: Asynchronous

Observation details

Location: Southbound Dransfeldt Road

Location Details:

South of Lincoln Avenue, pavement subgrade for roadway widening. Along the east side of the car wash lot, north of rear entrance to Lowes.

Field Notes:

CGG manually probed the subject area, with T-probe penetration between 2 inches to 24 inches. Noticeable soft spots were present. CGG recommends that the roadway be mechanically stabilized prior to placing aggregate base course.

Roadway stabilization can be accomplished by placing a geogrid or fabric approximately 18 inches beneath the finished grade of the roadway, between the soil subgrade and aggregate base course layers. If chosen, CGG recommends performing this operation and proof-rolling a test strip to verify acceptable performance of the mechanically stabilized soil. CGG should be contacted to approve the geogrid or fabric being proposed to use in the roadway.



Roadway or Flatwork

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Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Photographs



Image Photographer: Andrew Calogero

Image Date Taken: 08/26/2024

Image Description:
Pothole in southbound Dransfeldt Road. Minimal penetration achieved via manually probing.



Roadway or Flatwork

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23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Discrepancies

Discrepancy Number: 27

Discrepancy Description: Unstable roadway subgrade

Status: Open



Image Description:
Unstable roadway subgrade, deflecting under proof roll

Photographer:
☒ Andrew Calogero

Image Date Taken: 08/26/2024



Roadway or Flatwork

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Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 08/05/2024	Activity Number: 2
Technician: Phil Aranda	Weather: Sunny
Results Reported to: Craig	Temperature: 86
With: Waner	Frequency: Asynchronous

Observation details

Location: Southbound Dransfeldt Road

Location Details: Curb & Gutter, Southbound Dransfeldt Road, South of Car Wash Entrance to approximately 100' South

Field Notes:
Area was a mix of imported road base and native materials. The southern 2/3 of area was soft and wet. LV removed soft material and replaced with road base material. Area appears stable with minor penetration during probing.



Roadway or Flatwork

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Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 08/05/2024	Activity Number: 2
Technician: Phil Aranda	Weather: Sunny
Results Reported to: Craig	Temperature: 86
With: Waner	Frequency: Asynchronous

Observation details

Location: Southbound Dransfeldt Road

Location Details: Curb & Gutter, Southbound Dransfeldt Road, South of Car Wash Entrance to approximately 100' South

Field Notes:
Area was a mix of imported road base and native materials. The southern 2/3 of area was soft and wet. LV removed soft material and replaced with road base material. Area appears stable with minor penetration during probing.



Roadway or Flatwork

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Leawood, KS 66211

Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 08/19/2024	Activity Number: 3
Technician: Elizabeth Beierle	Weather: Partly cloudy
Results Reported to: Craig	Temperature: 70
With: Waner	Frequency: Asynchronous

Observation details

Location: Dransfeldt Rd C&G

Location Details: Subgrade for C&G on SB side of Dransfeldt Rd, approx 45-70' south of Lowe's entrance rd

Field Notes:
Subgrade soils are unstable and do not appear to have been processed prior to inspection. Recommended scarifying, moisture conditioning and recompacting subgrade material



Roadway or Flatwork

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Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 08/19/2024	Activity Number: 4
Technician: Phil Aranda	Weather: Sunny
Results Reported to: Craig	Temperature: 86
With: Waner	Frequency: Continuous

Observation details

Location: Roadway SG

Location Details: Private Road A Subgrade from approximately Private Road B to Dransfeldt

Field Notes:
Earthworks contractor LV wanted informational moisture & density testing on areas stated above. Moisture content ranged from 5.8%-7% which is slightly below the minimum required moisture content. LV to continue working Subgrade in area to achieve proper grade and moisture content.



Roadway or Flatwork

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Parker, CO

Activity Date: 08/29/2024	Activity Number: 7
Technician: Anthony Bath	Weather: Sunny
Results Reported to: Craig	Temperature: 83
With: Waner	Frequency: Asynchronous

Observation details

Location: Dransfeldt & Lincoln

Location Details:

Southbound Dransfeldt Rd, south of Lincoln St. CGG conducted spot check compaction tests for the contractor for moisture and compaction of roadway widening subgrade.

Utility Observation



Utility Observation

Cole Garner Geotechnical
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Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 05/20/2024

Technician: Aaron Smith

Results Reported to: Mike

With: Waner

Activity Number: 7

Weather: Mostly Cloudy

Temperature: 47

Frequency: Asynchronous

Observation details

Location: Storm Line A

Location Details: Storm Inlet A7, Station 5+40

Field Notes:

Cole Garner probed the inlet subgrade at the specified location. The subgrade was observed to be overly wet and unstable; the area is to be reworked prior to concrete placement.



Utility Observation

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Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 05/22/2024

Technician: Dale Griest

Results Reported to: Mike

With: Waner

Activity Number: 8

Weather: Clear

Temperature: 75

Frequency: Asynchronous

Observation details

Location: Storm Line A

Location Details: Inlet A7 base, STA 5+40

Field Notes:

Utilizing a T-probe, CGG probed multiple areas at the Inlet base. Based on our observation, the inlet appeared to stable with adequate moisture.



Utility Observation

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Leawood, KS 66211

Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 02/22/2024	Activity Number: 1
Technician: Aaron Smith	Weather: Clear
Results Reported to: Mike	Temperature: 54
With: Waner	Frequency: Asynchronous

Observation details

Location: North end of Site

Location Details: Storm Line E

Field Notes:
Nelson Pipeline was processing soil at time of inspection; material had not yet been compacted. CGG performed nuclear moisture checks at the request of the contractor



Utility Observation

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Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 04/19/2024	Activity Number: 2
Technician: Aaron Smith	Weather: Overcast
Results Reported to: Mike Beaudoin	Temperature: 32
With: Waner	Frequency: Asynchronous

Observation details

Location: Storm Line B

Location Details: Manhole B2 Base, approximate station 1+789

Field Notes:
Subgrade for manhole base was inspected by CGG personnel. The subgrade appeared to be adequately moisture conditioned and was observed to be firm and unyielding



Utility Observation

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Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 04/23/2024	Activity Number: 3
Technician: Aaron Smith	Weather: Partly Cloudy
Results Reported to: Mike Beaudoin	Temperature: 60
With: Waner	Frequency: Asynchronous

Observation details
Location: Storm Line B, Storm Line I Location Details: Inlet B1 Base, approximate station 1+41 Inlet I1 Base, approximate station 1+67 Field Notes: Subgrades for inlet bases were inspected by CGG personnel. The subgrade appeared to be adequately moisture conditioned and was observed to be firm and unyielding



Utility Observation

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23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 04/24/2024

Activity Number: 4

Technician: Aaron Smith

Weather: Clear

Results Reported to: Mike Beaudoin

Temperature: 64

With: Waner

Frequency: Asynchronous

Observation details
Location: Storm Line A Location Details: Manhole A3, approximate station 2+31 Field Notes: Subgrade for manhole A3 base was inspected by CGG personnel. The subgrade appeared to be adequately moisture conditioned and was observed to be firm and unyielding



Utility Observation

Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminister, CO 80234
Phone: 303.996.2999

Client:
Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 04/26/2024

Activity Number: 5

Technician: Aaron Smith

Weather: Cloudy

Results Reported to: Mike Beaudoin

Temperature: 64

With: Waner

Frequency: Asynchronous

Observation details

Location: Storm Line E

Location Details: Box Manhole E1, approximate station 1+00

Field Notes:

Subgrade for manhole E1 base was inspected by CGG personnel. The majority of the subgrade appeared to be adequately moisture conditioned and was observed to be firm and unyielding. ~10 SF of the subgrade on the west end of the pour was observed to be saturated; CGG was able to probe the subgrade in this area approximately 18". Waner elected to pour the manhole base.

Photographs



Image Photographer: Aaron Smith

Image Date Taken: 04/26/2024

Image Description: Probe Penetration at Manhole E1 Subgrade



Utility Observation

Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminister, CO 80234
Phone: 303.996.2999

Client:
Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 04/26/2024

Activity Number: 6

Technician: Aaron Smith

Weather: Cloudy

Results Reported to: Mike Beaudoin

Temperature: 60

With: Waner

Frequency: Asynchronous

Observation details

Location: Storm Line C

Location Details: Manhole C1, approximate station 1+72

Field Notes:
Subgrade for manhole C1 base was inspected by CGG personnel. The majority of the subgrade appeared to be adequately moisture conditioned and was observed to be firm and unyielding.

Photographs



Image Photographer: Aaron Smith

Image Date Taken: 04/26/2024

Image Description: Manhole C1 Subgrade



Utility Observation

Cole Garner Geotechnical
1070 West 124th Ave
Suite 300
Westminister, CO 80234
Phone: 303.996.2999

Client:
Plaza Street Fund 106, LLC
3400 College Boulevard
Suite 200
Leawood, KS 66211

Project:
23.23.159
Dransfeldt and Lincoln
Lincoln Avenue & Dransfeldt Road
Parker, CO

Activity Date: 02/22/2024	Activity Number: 1
Technician: Aaron Smith	Weather: Clear
Results Reported to: Mike	Temperature: 54
With: Waner	Frequency: Asynchronous

Observation details

Location: North end of Site

Location Details: Storm Line E

Field Notes:
Nelson Pipeline was processing soil at time of inspection; material had not yet been compacted. CGG performed nuclear moisture checks at the request of the contractor