



**CONSTRUCTION OBSERVATION AND  
TESTING REPORT FOR**

**COMPARK VILLAGE SOUTH, FILING 1 INFRASTRUCTURE  
PEORIA AND BELFORD  
DOUGLAS COUNTY, COLORADO**

***PREPARED FOR***

**BELFORD NORTH METROPOLITAN DISTRICT  
C/O CLIFTON LARSON ALLEN  
8390 EAST CRESCENT PARKWAY, SUITE 300  
GREENWOOD VILLAGE, COLORADO 80111**

**APRIL 13, 2022  
PROJECT NUMBER 153733**

April 13, 2022

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, Colorado 80111

Attention: Mr. Greg McIlvain

Subject: **Construction Observation and Testing for**  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Douglas County, Colorado  
Project Number 153733

As requested, we have summarized our previously issued test reports in order to provide a more convenient record of this data:

Section 1 provides soils testing conducted.

Section 2 provides concrete testing conducted.

We trust this consolidated report provides a more readily accessible format of the testing provided. Supplemental data may be issued in the future.

If we can be of further assistance, please do not hesitate to call.

Sincerely,

A. G. Wassenaar, Inc.



Pedro D. Manriquez, P.E.  
Project Engineer

Digitally signed by: Pedro D. Manriquez

Date: 2022.04.15 14:14:46 -06'00'

PDM/ajj

## **SECTION 1**

## Fill Testing

**Report Date:** 04/15/2022  
**Test Method:** ASTM D 6938

**Client:**

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

**Project:**

153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

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 Comp. (%)	Remark
811		08/18/21	06	ASTM D698	A-7-6	12.7	111.0	15.1	110.0	126.6	8	99	95	Pass
812		08/18/21	02	ASTM D698	A-6	15.2	109.4	16.2	104.0	120.8	8	95	95	Pass
813		08/18/21	06	ASTM D698	A-7-6	12.7	111.0	12.9	106.0	119.7	8	95	95	Pass
921		09/09/21	06	ASTM D698	A-7-6	12.7	111.0	14.5	110.1	126.1	8	99	95	Pass
922		09/09/21	09	ASTM D698	A-6	18.5	106.9	19.6	104.1	124.5	8	97	95	Pass
923		09/09/21	16	ASTM D698	A-6	17.2	108.6	21.0	103.5	125.2	8	95	95	Pass
924		09/13/21	16	ASTM D698	A-6	17.2	108.6	18.0	106.4	125.6	8	98	95	Pass
925		09/13/21	16	ASTM D698	A-6	17.2	108.6	18.2	107.2	126.7	8	99	95	Pass

Test Information						
Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician	
811	Street Subgrade: South Peoria Street, northbound, deceleration lane 100' south of Belford Avenue	0.0	TSG	Troxler / 3430 / 22405 /	Caperton, Mason	
812	Street Subgrade: South Peoria Street, northbound, deceleration lane 200' south of Belford Avenue	0.0	TSG	Troxler / 3430 / 22405 /	Caperton, Mason	
813	Street Subgrade: South Peoria Street, northbound, deceleration lane 300' south of Belford Avenue	0.0	TSG	Troxler / 3430 / 22405 /	Caperton, Mason	
921	Street Subgrade: Belford Avenue, eastbound, Station 12+50	0.0	TSG	Troxler / 3430 / 22405 /	Caperton, Mason	
922	Street Subgrade: Belford Avenue, eastbound, Station 11+50	0.0	TSG	Troxler / 3430 / 22405 /	Caperton, Mason	
923	Street Subgrade: South Peoria Street, northbound, deceleration lane, 75' south of Belford Avenue	0.0	TSG	Troxler / 3430 / 22405 /	Caperton, Mason	
924	Street Subgrade: Belford Avenue, westbound, Station 11+50	0.0	TSG	Troxler / 3430 / 22405 /	Caperton, Mason	
925	Street Subgrade: Belford Avenue, westbound, Station 12+50	0.0	TSG	Troxler / 3430 / 22405 /	Caperton, Mason	

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call basis. The test depths 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. Testing is provided exclusively for the Client. Any use of the data by the Contractor is unauthorized and at their sole risk.



A. G. WASSENAAR, INC.

Field Services

3211 South Zuni Street  
Englewood, CO 80110  
Phone: (303) 759-8100

# Fill Testing

Report Date: 04/15/2022

Test Method: ASTM D 6938

**Client:**

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

**Project:**

153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

Remarks	Comments
<p><b>Pass:</b> Density Pass / Moisture Pass</p>	<p>Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.</p> <p><b>813:</b> The Contractor, Schmidt Construction Company, utilized one vibrating steel drum and one scraper to apply compactive effort to the fill. One water truck was used to add moisture to the fill.</p> <p><b>923:</b> The Contractor, Schmidt Construction, prepared the subgrade prior to our arrival.</p>



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Phone: (303) 759-8100

# Fill Testing

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Test Method: ASTM D 6938

## Client:

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

## Project:

153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

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 Comp. (%)	Remark
988		09/16/21	02	ASTM D698	A-6	15.2	109.4	16.5	105.1	122.4	8	96	95	Pass
989		09/16/21	16	ASTM D698	A-6	17.2	108.6	18.6	106.7	126.5	8	98	95	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
988	Street Subgrade: Belford Avenue, eastbound, Station 13+50						0.0	TSG	Troxler / 3430 / 22405 /			Caperton, Mason		
989	Street Subgrade: Belford Avenue, eastbound, Station 15+00						0.0	TSG	Troxler / 3430 / 22405 /			Caperton, Mason		
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 depths 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. Testing is provided exclusively for the Client. Any use of the data by the Contractor is unauthorized and at their sole risk.

## Fill Testing

**Report Date:** 04/15/2022  
**Test Method:** ASTM D 6938

### Client:

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

### Project:

153733  
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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 Comp. (%)	Remark
837		08/24/21	20	ASTM D1557	ABC-RC	12.0	116.0	10.5	114.1	126.1	8	98	95	Pass
838		08/24/21	20	ASTM D1557	ABC-RC	12.0	116.0	10.0	114.5	126.0	8	99	95	Pass
839		08/24/21	20	ASTM D1557	ABC-RC	12.0	116.0	10.6	113.0	125.0	8	97	95	Pass
840		08/24/21	20	ASTM D1557	ABC-RC	12.0	116.0	10.7	116.4	128.9	8	100	95	Pass
1071		09/21/21	18		Class 1	7.1	141.9	5.6	134.8	142.3	8	95	95	Pass
1072		09/21/21	18		Class 1	7.1	141.9	5.3	136.9	144.2	8	96	95	Pass
1081		09/22/21	18		Class 1	7.1	141.9	5.3	135.0	142.2	8	95	95	Pass
1131		09/24/21	18		Class 1	7.1	141.9	5.2	135.1	142.1	8	95	95	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge			Field Technician		
837	Street Base Course: South Peoria Street, northbound, deceleration lane, 100' south of Belford Avenue						0.0	TBC	Troxler / 3430 / 22405 /			Caperton, Mason		
838	Street Base Course: South Peoria Street, northbound, deceleration lane, 200' south of Belford Avenue						0.0	TBC	Troxler / 3430 / 22405 /			Caperton, Mason		
839	Street Base Course: South Peoria Street, northbound, deceleration lane, 300' south of Belford Avenue						0.0	TBC	Troxler / 3430 / 22405 /			Caperton, Mason		
840	Street Base Course: South Peoria Street, northbound, deceleration lane, 400' south of Belford Avenue						0.0	TBC	Troxler / 3430 / 22405 /			Caperton, Mason		
1071	Street Base Course: South Peoria Street, northbound, and Belford Avenue, southeast pork chop						0.0	TBC	Troxler / 3430 / 22405 /			Caperton, Mason		
1072	Street Base Course: South Peoria Street, northbound, 50' north of Belford Avenue, lane 1						0.0	TBC	Troxler / 3430 / 22405 /			Caperton, Mason		
1081	Street Base Course: South Peoria Street, northbound, and Belford Avenue, northeast pork chop						0.0	TBC	Troxler / 3430 / 22405 /			Caperton, Mason		
1131	Street Base Course: South Peoria Street, 75' south of Belford Avenue						0.0	TBC	Troxler / 3430 / 22405 /			Caperton, Mason		

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call basis. The test depths 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. Testing is provided exclusively for the Client. Any use of the data by the Contractor is unauthorized and at their sole risk.



A. G. WASSENAAR, INC.

Field Services  
3211 South Zuni Street  
Englewood, CO 80110  
Phone: (303) 759-8100

# Fill Testing

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Test Method: ASTM D 6938

## Client:

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c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

## Project:

153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

Remarks	Comments
Pass: Density Pass / Moisture Pass	<p>Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.</p> <p><b>840:</b> The Contractor, Schmidt Construction, prepared the base course prior to our arrival</p>



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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 Comp. (%)	Remark
964		09/15/21	06	ASTM D698	A-7-6	12.7	111.0	14.3	106.3	121.5	8	96	95	Pass
965		09/15/21	06	ASTM D698	A-7-6	12.7	111.0	13.5	107.9	122.5	8	97	95	Pass
966		09/15/21	06	ASTM D698	A-7-6	12.7	111.0	13.9	107.1	122.0	8	96	95	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
964	Curb and Gutter: South Peoria Street, northbound, 20' south of Belford Avenue, eastbound						0.0	TSG	Troxler / 3430 / 22405 /			Caperton, Mason		
965	Curb and Gutter: South Peoria Street, northbound, and Belford Avenue, eastbound, southeast pork chop						0.0	TSG	Troxler / 3430 / 22405 /			Caperton, Mason		
966	Curb and Gutter: South Peoria Street, northbound, and Belford Avenue, eastbound, northeast pork chop						0.0	TSG	Troxler / 3430 / 22405 /			Caperton, Mason		
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. <b>966:</b> The Contractor, Schmidt Construction, prepared the subgrade prior to our arrival									

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call basis. The test depths 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. Testing is provided exclusively for the Client. Any use of the data by the Contractor is unauthorized and at their sole risk.



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3211 South Zuni Street  
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# Fill Testing

Report Date: 04/15/2022  
Test Method: ASTM D 6938

## Client:

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## Project:

153733  
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Peoria and Belford  
Parker, CO 00000

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 Comp. (%)	Remark
1254		03/16/22	06	ASTM D698	A-7-6	12.7	111.0	12.8	105.3	118.8	8	95	95	Pass
1255		03/16/22	06	ASTM D698	A-7-6	12.7	111.0	14.4	106.5	121.8	8	96	95	Pass
1265		03/24/22	06	ASTM D698	A-7-6	12.7	111.0	12.9	105.5	119.1	8	95	95	Pass
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
1254	Sidewalk: Belford Avenue, eastbound lane, station 11+00						0.0	TSG	Troxler / 3430 / 23705 /			Rodriguez, Jose		
1255	Sidewalk: Belford Avenue, eastbound lane, station 13+00						0.0	TSG	Troxler / 3430 / 23705 /			Rodriguez, Jose		
1265	Sidewalk: Belford Avenue, eastbound lane, station 11+00						0.0	TSG	Troxler / 3430 / 23705 /			Rodriguez, Jose		
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. <b>1265:</b> The Contractor prepared the subgrade prior to arrival.									

A representative of the Contractor was informed of our test results and observations. Observation services were conducted on an on-call basis. The test depths 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. Testing is provided exclusively for the Client. Any use of the data by the Contractor is unauthorized and at their sole risk.

## **SECTION 2**



A.G. WASSENAAR, INC.

Field Services

3211 South Zuni Street
Englewood, CO 80110
Phone: (303) 759-8100

Compressive Strength of Concrete

Test Method: ASTM C 39

Report #: CC-000094
Report Date: 10/27/2021
Sample: 50740

Client:

Belford North Metropolitan District
c/o Clifton Larson Allen
8390 East Crescent Parkway, Suite 300
Greenwood Village, CO 80111

Project:

153733
Compark Village South, Filing 1 Infrastructure
Peoria and Belford
Parker, CO 00000

Table with 4 columns: Set #, Specimen Size, Specimens In Set, Truck / Ticket #, Contractor, Technician, Cast By, Date Cast, Sampled From, Placement Method, Batched, Sampled, Cast, Truck Empty, Placement Time.

Table with 2 columns: Placement Location, Location Details, Sample Location / Notes.

Table with 2 columns: Batch Log, Specifications. Includes Supplier, Mix Design, On-Site Admixtures, Strength, Air, Slump.

Table with 4 columns: Weather, Air Temperature (F), Slump (in), Concrete Temp (F), Plastic Unit Weight, Air Content, Load Volume.

Table with 2 columns: Standard Cure, Field Cure.

Table with 11 columns: 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.

Test Age Average Strengths (psi): 7 Day - 4600, 28 Day - 5590, 5 Day - 3990

Table with 2 columns: Tested By, Checked In, Capping Methods.

General Remarks

10 of 36 yards



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

Reviewed by Thomas Hastings

Sample obtained in general conformance with ASTM C172. Compressive strength conducted in general conformance with ASTM C39. The Contractor was informed of field testing results. The Contractor is responsible for security and initial curing environment of the specimens in accordance with ASTM C31. Testing is provided exclusively for the Client. Any use of the data by the Contractor is unauthorized and at their sole risk.



A.G. WASSENAAR, INC.

Field Services

3211 South Zuni Street
Englewood, CO 80110
Phone: (303) 759-8100

Compressive Strength of Concrete

Test Method: ASTM C 39

Report #: CC-000096
Report Date: 10/27/2021
Sample: 50848

Client:

Belford North Metropolitan District
c/o Clifton Larson Allen
8390 East Crescent Parkway, Suite 300
Greenwood Village, CO 80111

Project:

153733
Compark Village South, Filing 1 Infrastructure
Peoria and Belford
Parker, CO 00000

Table with Sample Details: Set #, Specimen Size, Specimens In Set, Truck / Ticket #, Contractor, Technician, Cast By, Date Cast, Sampled From, Placement Method, Batched, Sampled, Cast, Truck Empty, Placement Time.

Table with Location: Placement Location, Location Details, Sample Location / Notes.

Table with Batch Log and Specifications: Supplier, On-Site Admixtures, Mix Design, Strength, Air, Slump.

Table with Field Measurements: Weather, Air Temperature, Slump, Concrete Temp, Plastic Unit Weight, Air Content, Load Volume.

Table with Standard Cure and Field Cure: Min / Max Temp (F).

Table with Lab Test Results: Specimen Number, Test Age Days, Test Date, Field / Lab Cure Days, Average Cylinder Diameter, Cylinder Area, Max Load, Strength, Fracture Type, Break Remark, Capping Method.

Table with Test Age Average Strengths (psi) and Capping Methods.

Table with General Remarks: 10 of 10 yards.



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

Reviewed by Thomas Hastings

Sample obtained in general conformance with ASTM C172. Compressive strength conducted in general conformance with ASTM C39. The Contractor was informed of field testing results. The Contractor is responsible for security and initial curing environment of the specimens in accordance with ASTM C31. Testing is provided exclusively for the Client. Any use of the data by the Contractor is unauthorized and at their sole risk.



A.G. WASSENAAR, INC.

Field Services

3211 South Zuni Street
Englewood, CO 80110
Phone: (303) 759-8100

Compressive Strength of Concrete

Test Method: ASTM C 39

Report #: CC-000098
Report Date: 11/09/2021
Sample: 50963

Client:

Belford North Metropolitan District
c/o Clifton Larson Allen
8390 East Crescent Parkway, Suite 300
Greenwood Village, CO 80111

Project:

153733
Compark Village South, Filing 1 Infrastructure
Peoria and Belford
Parker, CO 00000

Table with Sample Details: Set #, Specimen Size, Specimens In Set, Truck / Ticket #, Contractor, Technician, Cast By, Date Cast, Sampled From, Placement Method, Batched, Sampled, Cast, Truck Empty, Placement Time.

Table with Location: Placement Location, Location Details, Sample Location / Notes.

Table with Batch Log and Specifications: Supplier, On-Site Admixtures, Mix Design, Strength, Air, Slump.

Table with Field Measurements: Weather, Air Temperature, Slump, Concrete Temp, Plastic Unit Weight, Air Content, Load Volume.

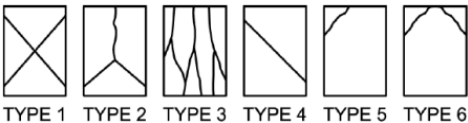
Table with Standard Cure and Field Cure.

Table with Lab Test Results: Specimen Number, Test Age Days, Test Date, Field / Lab Cure Days, Average Cylinder Diameter, Cylinder Area, Max Load, Strength, Fracture Type, Break Remark, Capping Method.

Test Age Average Strengths (psi): 7 Day - 5370, 28 Day - 6220

Table with Capping Methods: Tested By, Checked In, N: Unbonded Caps (ASTM C1231).

General Remarks
11 of 130 yards



Reviewed by Thomas Hastings

Sample obtained in general conformance with ASTM C172. Compressive strength conducted in general conformance with ASTM C39. The Contractor was informed of field testing results. The Contractor is responsible for security and initial curing environment of the specimens in accordance with ASTM C31. Testing is provided exclusively for the Client. Any use of the data by the Contractor is unauthorized and at their sole risk.



A.G. WASSENAAR, INC.

# Compressive Strength of Concrete

Test Method: ASTM C 39

Report #: CC-000099  
Report Date: 11/09/2021  
Sample: 51035

### Field Services

3211 South Zuni Street  
Englewood, CO 80110  
Phone: (303) 759-8100

### Client:

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

### Project:

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Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

Sample Details			
Set #:	49	Technician:	Zawodsky, Josh
Specimen Size:	4" X 8"	Cast By:	Zawodsky, Josh
Specimens In Set:	5	Date Cast:	09/29/21
Truck / Ticket #:	9262 / 62316193	Sampled From:	Chute
Contractor:	3 Sons	Placement Method:	Chute
		Batched:	07:25 MDT
		Sampled:	07:50 MDT
		Cast:	08:05 MDT
		Truck Empty:	
		Placement Time:	

Location	
Placement Location:	Pavement
Location Details:	South Peoria Street, northbound lane, 100' South of Belford Avenue, Lane 2
Sample Location / Notes:	NTP

Batch Log		Specifications	
Supplier:	Aggregate Industries	Mix Design:	9456738
On-Site Admixtures:	None	Strength:	4500 (psi)
		Air:	5 - 8 (%)
		Slump:	1 - 4 (in)

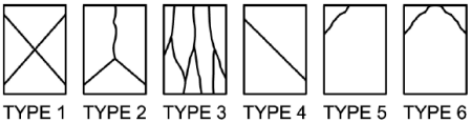
Field Measurements			
Weather:	Clear	Slump (in):	5 (ASTM C143)
Air Temperature (F):	65	Concrete Temp (F):	75 (ASTM C1064)
		Plastic Unit Weight:	140.8 (lb/ft³) (ASTM C138)
		Air Content:	6.1 (ASTM C231)
		Load Volume:	10.00 (yd³)

Standard Cure	Field Cure

Lab Test Results										
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	10/06/21	5 / 2	4.02	12.69	55,750	4,390	5		N
49-2	28	10/27/21	5 / 23	4.00	12.57	69,820	5,550	5		N
49-3	28	10/27/21	5 / 23	4.00	12.57	65,640	5,220	5		N
49-4	28	10/27/21	5 / 23	4.00	12.57	65,120	5,180	4		N
49-5	56 H	11/24/21	5 / 51							

Test Age Average Strengths (psi): 7 Day - 4390, 28 Day - 5320

Capping Methods	
Tested By: David Nunez (1,2,3,4)	N: Unbonded Caps (ASTM C1231)
Checked In : 10/04/2021 (1,2,3,4,5)	



Reviewed by Thomas Hastings

Sample obtained in general conformance with ASTM C172. Compressive strength conducted in general conformance with ASTM C39. The Contractor was informed of field testing results. The Contractor is responsible for security and initial curing environment of the specimens in accordance with ASTM C31. Testing is provided exclusively for the Client. Any use of the data by the Contractor is unauthorized and at their sole risk.



A.G. WASSENAAR, INC.

Field Services

3211 South Zuni Street
Englewood, CO 80110
Phone: (303) 759-8100

Compressive Strength of Concrete

Test Method: ASTM C 39

Report #: CC-000095
Report Date: 10/27/2021
Sample: 50795

Client:

Belford North Metropolitan District
c/o Clifton Larson Allen
8390 East Crescent Parkway, Suite 300
Greenwood Village, CO 80111

Project:

153733
Compark Village South, Filing 1 Infrastructure
Peoria and Belford
Parker, CO 00000

Sample Details table with columns for Set #, Specimen Size, Specimens In Set, Truck / Ticket #, Contractor, Technician, Cast By, Date Cast, Sampled From, Placement Method, Batched, Sampled, Cast, Truck Empty, Placement Time.

Location table with Placement Location, Location Details, Sample Location / Notes.

Batch Log and Specifications table with Supplier, On-Site Admixtures, Mix Design, Strength, Air, Slump.

Field Measurements table with Weather, Air Temperature, Slump, Concrete Temp, Plastic Unit Weight, Air Content, Load Volume.

Standard Cure and Field Cure table.

Lab Test Results table with columns for Specimen Number, Test Age Days, Test Date, Field / Lab Cure Days, Average Cylinder Diameter, Cylinder Area, Max Load, Strength, Fracture Type, Break Remark, Capping Method.

Test Age Average Strengths (psi): 7 Day - 4150, 28 Day - 6400, 14 Day - 5210

Capping Methods table with Tested By, Checked In, and N: Unbonded Caps (ASTM C1231).

General Remarks table with 23 of 55 yards.



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

Reviewed by Thomas Hastings

Sample obtained in general conformance with ASTM C172. Compressive strength conducted in general conformance with ASTM C39. The Contractor was informed of field testing results. The Contractor is responsible for security and initial curing environment of the specimens in accordance with ASTM C31. Testing is provided exclusively for the Client. Any use of the data by the Contractor is unauthorized and at their sole risk.



A.G. WASSENAAR, INC.

Field Services

3211 South Zuni Street
Englewood, CO 80110
Phone: (303) 759-8100

Compressive Strength of Concrete

Test Method: ASTM C 39

Report #: CC-000100
Report Date: 11/09/2021
Sample: 51123

Client:

Belford North Metropolitan District
c/o Clifton Larson Allen
8390 East Crescent Parkway, Suite 300
Greenwood Village, CO 80111

Project:

153733
Compark Village South, Filing 1 Infrastructure
Peoria and Belford
Parker, CO 00000

Table with 4 columns: Set #, Specimen Size, Specimens In Set, Truck / Ticket #, Contractor, Technician, Cast By, Date Cast, Sampled From, Placement Method, Batched, Sampled, Cast, Truck Empty, Placement Time.

Table with 2 columns: Location, Placement Location, Location Details, Sample Location / Notes.

Table with 4 columns: Supplier, On-Site Admixtures, Mix Design, Strength, Air, Slump.

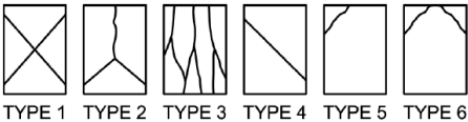
Table with 4 columns: Weather, Air Temperature (F), Slump (in), Concrete Temp (F), Plastic Unit Weight, Air Content, Load Volume.

Table with 2 columns: Standard Cure, Field Cure.

Table with 11 columns: 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.

Test Age Average Strengths (psi): 7 Day - 5480, 28 Day - 6310

Table with 2 columns: Tested By, Checked In, Capping Methods.



Reviewed by Thomas Hastings

Sample obtained in general conformance with ASTM C172. Compressive strength conducted in general conformance with ASTM C39. The Contractor was informed of field testing results. The Contractor is responsible for security and initial curing environment of the specimens in accordance with ASTM C31. Testing is provided exclusively for the Client. Any use of the data by the Contractor is unauthorized and at their sole risk.



A.G. WASSENAAR, INC.

Field Services

3211 South Zuni Street
Englewood, CO 80110
Phone: (303) 759-8100

Compressive Strength of Concrete

Test Method: ASTM C 39

Report #: CC-000101
Report Date: 11/09/2021
Sample: 51237

Client:

Belford North Metropolitan District
c/o Clifton Larson Allen
8390 East Crescent Parkway, Suite 300
Greenwood Village, CO 80111

Project:

153733
Compark Village South, Filing 1 Infrastructure
Peoria and Belford
Parker, CO 00000

Table with Sample Details: Set #, Specimen Size, Specimens In Set, Truck / Ticket #, Contractor, Technician, Cast By, Date Cast, Sampled From, Placement Method, Batched, Sampled, Cast, Truck Empty, Placement Time.

Table with Location: Placement Location, Location Details, Sample Location / Notes.

Table with Batch Log and Specifications: Supplier, On-Site Admixtures, Mix Design, Strength, Air, Slump.

Table with Field Measurements: Weather, Air Temperature, Slump, Concrete Temp, Plastic Unit Weight, Air Content, Load Volume.

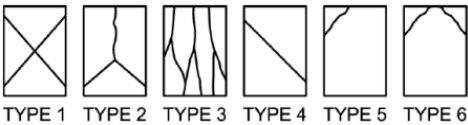
Table with Standard Cure and Field Cure.

Table with Lab Test Results: Specimen Number, Test Age Days, Test Date, Field / Lab Cure Days, Average Cylinder Diameter, Cylinder Area, Max Load, Strength, Fracture Type, Break Remark, Capping Method.

Test Age Average Strengths (psi): 7 Day - 4310, 28 Day - 4990

Table with Capping Methods: Tested By, Checked In, N: Unbonded Caps (ASTM C1231).

General Remarks
10 of 30



Reviewed by Thomas Hastings

Sample obtained in general conformance with ASTM C172. Compressive strength conducted in general conformance with ASTM C39. The Contractor was informed of field testing results. The Contractor is responsible for security and initial curing environment of the specimens in accordance with ASTM C31. Testing is provided exclusively for the Client. Any use of the data by the Contractor is unauthorized and at their sole risk.



A.G. WASSENAAR, INC.

Field Services

3211 South Zuni Street
Englewood, CO 80110
Phone: (303) 759-8100

Compressive Strength of Concrete

Test Method: ASTM C 39

Report #: CC-000102
Report Date: 11/09/2021
Sample: 51340

Client:

Belford North Metropolitan District
c/o Clifton Larson Allen
8390 East Crescent Parkway, Suite 300
Greenwood Village, CO 80111

Project:

153733
Compark Village South, Filing 1 Infrastructure
Peoria and Belford
Parker, CO 00000

Table with 3 columns: Set #, Specimen Size, Specimens In Set, Truck / Ticket #, Contractor, Technician, Cast By, Date Cast, Sampled From, Placement Method, Batched, Sampled, Cast, Truck Empty, Placement Time.

Table with 1 column: Location. Placement Location: Curb and Gutter. Location Details: Intersection of Peoria and Belford, northeast and south east curb and gutter. Sample Location / Notes: NTP

Table with 2 columns: Batch Log, Specifications. Supplier: Aggregate Industries, Mix Design: 7456120, On-Site Admixtures: None, Strength: 4500 (psi), Air: 5 - 8 (%), Slump: 1 - 4 (in)

Table with 3 columns: Field Measurements. Weather: Sunny, Air Temperature (F): 72, Slump (in): 4 (ASTM C143), Concrete Temp (F): 70 (ASTM C1064), Plastic Unit Weight: 141.9 (lb/ft³) (ASTM C138), Air Content: 6.0 (ASTM C231), Load Volume: 3.00 (yd³)

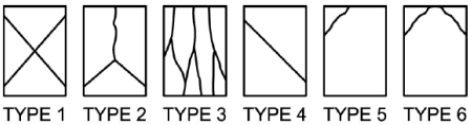
Table with 2 columns: Standard Cure, Field Cure

Table with 11 columns: 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. Rows for specimens 53-1 through 53-5.

Test Age Average Strengths (psi): 7 Day - 4020, 28 Day - 4910

Table with 2 columns: Tested By: David Nunez (1,2,3,4), Checked In: 10/09/2021 (1,2,3,4,5), Capping Methods: N: Unbonded Caps (ASTM C1231)

General Remarks
3 of 3 yards, First load was rejected by their QC. Slump was too high.



Reviewed by Thomas Hastings

Sample obtained in general conformance with ASTM C172. Compressive strength conducted in general conformance with ASTM C39. The Contractor was informed of field testing results. The Contractor is responsible for security and initial curing environment of the specimens in accordance with ASTM C31. Testing is provided exclusively for the Client. Any use of the data by the Contractor is unauthorized and at their sole risk.



A.G. WASSENAAR, INC.

# Compressive Strength of Concrete

Test Method: ASTM C 39

Report #: CC-000103

Report Date: 11/09/2021

Sample: 51434

### Field Services

3211 South Zuni Street  
Englewood, CO 80110  
Phone: (303) 759-8100

### Client:

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

### Project:

153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

Sample Details			
Set #:	54	Technician:	Morstead, Patrick
Specimen Size:	4" X 8"	Cast By:	Morstead, Patrick
Specimens In Set:	5	Date Cast:	10/09/21
Truck / Ticket #:	9236 / 84614894	Sampled From:	Chute
Contractor:	Three Sons Construction	Placement Method:	Chute
Batched:	07:11 MDT	Sampled:	08:30 MDT
Cast:	08:45 MDT	Truck Empty:	
Placement Time:			

Location	
Placement Location:	Median
Location Details:	2 median pieces on East side of intersection of Peoria and Belford Avenue.
Sample Location / Notes:	Next to Pour

Batch Log		Specifications	
Supplier:	Aggregate Industries	Mix Design:	9458423
On-Site Admixtures:	None	Strength:	4500 (psi)
		Air:	5 - 8 (%)
		Slump:	1 - 4 (in)

Field Measurements			
Weather:	Clear	Slump (in):	4 (ASTM C143)
Air Temperature (F):	60	Concrete Temp (F):	79 (ASTM C1064)
		Plastic Unit Weight:	139.2 (lb/ft³) (ASTM C138)
		Air Content:	6.0 (ASTM C231)
		Load Volume:	10.00 (yd³)

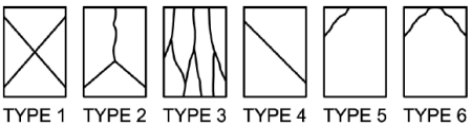
Standard Cure		Field Cure	
Min / Max Temp (F):	50/75		

Lab Test Results										
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	10/16/21	1 / 6	4.00	12.57	68,855	5,480	5		N
54-2	28	11/06/21	1 / 27	4.00	12.57	79,450	6,320	2		N
54-3	28	11/06/21	1 / 27	4.00	12.57	80,775	6,430	5		N
54-4	28	11/06/21	1 / 27	4.00	12.57	79,050	6,290	2		N
54-5	56 H	12/04/21	1 / 55							

Test Age Average Strengths (psi): 7 Day - 5480, 28 Day - 6350

Capping Methods	
Tested By: David Nunez (1,2,3,4)	N: Unbonded Caps (ASTM C1231)
Checked In : 10/10/2021 (1,2,3,4,5)	

General Remarks
10 of 10 yards



Reviewed by Thomas Hastings

Sample obtained in general conformance with ASTM C172. Compressive strength conducted in general conformance with ASTM C39. The Contractor was informed of field testing results. The Contractor is responsible for security and initial curing environment of the specimens in accordance with ASTM C31. Testing is provided exclusively for the Client. Any use of the data by the Contractor is unauthorized and at their sole risk.



A.G. WASSENAAR, INC.

# Compressive Strength of Concrete

Test Method: ASTM C 39

Report #: CC-000104  
Report Date: 11/09/2021  
Sample: 51442

### Field Services

3211 South Zuni Street  
Englewood, CO 80110  
Phone: (303) 759-8100

### Client:

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

### Project:

153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

Sample Details			
Set #:	55	Technician:	Carpio, Anias
Specimen Size:	4" X 8"	Cast By:	Carpio, Anias
Specimens In Set:	6	Date Cast:	10/11/21
Truck / Ticket #:	9250 / 62316817	Sampled From:	Chute
Contractor:	Three Sons Construction	Placement Method:	Chute
Batched:		Truck Empty:	
Sampled:	08:00 MDT	Placement Time:	
Cast:	08:15 MDT		

Location	
Placement Location:	Pavement
Location Details:	South Peoria Street, north bound lane 1, 170' from Belford Avenue.
Sample Location / Notes:	NTP

Batch Log		Specifications	
Supplier:	Aggregate Industries	Mix Design:	9456738
On-Site Admixtures:	None	Strength:	4500 (psi)
		Air:	5 - 8 (%)
		Slump:	1 - 4 (in)

Field Measurements			
Weather:		Slump (in):	5 (ASTM C143)
Air Temperature (F):		Concrete Temp (F):	74 (ASTM C1064)
		Plastic Unit Weight:	140.6 (lb/ft³) (ASTM C138)
		Air Content:	7.4 (ASTM C231)
		Load Volume:	10.00 (yd³)

Standard Cure	Field Cure

Lab Test Results										
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	10/18/21	3 / 4	4.00	12.57	61,640	4,900	5		N
55-2	28	11/08/21	3 / 25	4.00	12.57	73,525	5,850	2		N
55-3	28	11/08/21	3 / 25	4.00	12.57	73,665	5,860	3		N
55-4	28	11/08/21	3 / 25	4.00	12.57	75,035	5,970	2		N
55-5	56 H	12/06/21	3 / 53							
55-6	62	12/12/21	3 / 59							

Test Age Average Strengths (psi): 7 Day - 4900, 28 Day - 5890

Capping Methods	
Tested By: David Nunez (1,2,3,4)	N: Unbonded Caps (ASTM C1231)
Checked In : 10/14/2021 (1,2,3,4,5,6)	

General Remarks
30 of 100 yards



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

Reviewed by Thomas Hastings

Sample obtained in general conformance with ASTM C172. Compressive strength conducted in general conformance with ASTM C39. The Contractor was informed of field testing results. The Contractor is responsible for security and initial curing environment of the specimens in accordance with ASTM C31. Testing is provided exclusively for the Client. Any use of the data by the Contractor is unauthorized and at their sole risk.



A.G. WASSENAAR, INC.

# Compressive Strength of Concrete

Test Method: ASTM C 39

Report #: CC-000125  
Report Date: 12/02/2021  
Sample: 52354

### Field Services

3211 South Zuni Street  
Englewood, CO 80110  
Phone: (303) 759-8100

### Client:

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

### Project:

153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

Sample Details					
Set #:	60	Technician:	Bierbower, Bryce	Batched:	07:07 MDT
Specimen Size:	4" X 8"	Cast By:	Bierbower, Bryce	Sampled:	07:45 MDT
Specimens In Set:	5	Date Cast:	10/26/21	Cast:	08:00 MDT
Truck / Ticket #:	168 / 62317733	Sampled From:	Chute	Truck Empty:	
Contractor:	3 sons	Placement Method:	Chute	Placement Time:	

Location	
Placement Location:	Pavement
Location Details:	Peoria Street. Northbound Lane. 150' south of Southeast corner of intersection at Peoria and Belford Avenue.
Sample Location / Notes:	NTP

Batch Log		Specifications	
Supplier:	Aggregate Industries	Mix Design:	9456738
On-Site Admixtures:	None	Strength:	4500 (psi)
		Air:	5 - 8 (%)
		Slump:	1 - 4 (in)

Field Measurements			
Weather:	Cloudy	Slump (in):	5 (ASTM C143)
Air Temperature (F):	36	Concrete Temp (F):	75 (ASTM C1064)
		Plastic Unit Weight:	141.5 (lb/ft³) (ASTM C138)
		Air Content:	5.2 (ASTM C231)
		Load Volume:	10.00 (yd³)

Standard Cure		Field Cure	
Min / Max Temp (F):	36/44		

Lab Test Results										
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	9	11/04/21	8 / 1	4.00	12.57	56,600	4,500	5		N
60-2	28	11/23/21	8 / 20	4.02	12.69	67,880	5,350	2		N
60-3	28	11/23/21	8 / 20	4.02	12.69	69,315	5,460	2		N
60-4	28	11/23/21	8 / 20	4.02	12.69	65,680	5,180	2		N
60-5	56 H	12/21/21	8 / 48							

Test Age Average Strengths (psi): 9 Day - 4500, 28 Day - 5330										
									Capping Methods	
Tested By: David Nunez (1,2,3,4)									N: Unbonded Caps (ASTM C1231)	
Checked In : 11/03/2021 (1,2,3,4,5)										



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

Reviewed by Thomas Hastings

Sample obtained in general conformance with ASTM C172. Compressive strength conducted in general conformance with ASTM C39. The Contractor was informed of field testing results. The Contractor is responsible for security and initial curing environment of the specimens in accordance with ASTM C31. Testing is provided exclusively for the Client. Any use of the data by the Contractor is unauthorized and at their sole risk.

**Field Services**

3211 South Zuni Street  
Englewood, CO 80110  
Phone: (303) 759-8100

**Client:**

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

**Project:**

153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

Sample Details					
Set #:	61	Technician:	Bierbower, Bryce	Batched:	09:24 MDT
Specimen Size:	4" X 8"	Cast By:	Bierbower, Bryce	Sampled:	09:45 MDT
Specimens In Set:	5	Date Cast:	10/27/21	Cast:	10:00 MDT
Truck / Ticket #:	9208 / 62317834	Sampled From:	Chute	Truck Empty:	
Contractor:	3 sons	Placement Method:	Chute	Placement Time:	

Location	
Placement Location:	Pavement
Location Details:	Peoria Street. Northbound Lane. 50' North of Northeast corner of intersection at Peoria and Belford Avenue.
Sample Location / Notes:	NTP

Batch Log		Specifications	
Supplier:	Aggregate Industries	Mix Design:	9456738
On-Site Admixtures:	None	Strength:	4500 (psi)
		Air:	5 - 8 (%)
		Slump:	1 - 4 (in)

Field Measurements			
Weather:	Cloudy	Slump (in):	5 (ASTM C143)
Air Temperature (F):	39	Concrete Temp (F):	76 (ASTM C1064)
		Plastic Unit Weight:	140.9 (lb/ft³) (ASTM C138)
		Air Content:	5.4 (ASTM C231)
		Load Volume:	10.00 (yd³)

Standard Cure		Field Cure	
Min / Max Temp (F):	36/44		

Lab Test Results										
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	8	11/04/21	7 / 1	4.00	12.57	63,585	5,060	3		N
61-2	29	11/25/21	7 / 22	4.00	12.57	78,740	6,260	3		N
61-3	29	11/25/21	7 / 22	4.00	12.57	77,860	6,190	3		N
61-4	29	11/25/21	7 / 22	4.00	12.57	77,670	6,180	3		N
61-5	56 H	12/22/21	7 / 49							

Test Age Average Strengths (psi): 8 Day - 5060, 29 Day - 6210

Capping Methods	
Tested By: David Nunez (1,2,3,4)	N: Unbonded Caps (ASTM C1231)
Checked In : 11/03/2021 (1,2,3,4,5)	



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

Reviewed by Thomas Hastings



A.G. WASSENAAR, INC.

# Compressive Strength of Concrete

Test Method: ASTM C 39

Report #: CC-000127

Report Date: 12/02/2021

Sample: 52364

### Field Services

3211 South Zuni Street  
Englewood, CO 80110  
Phone: (303) 759-8100

### Client:

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

### Project:

153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

Sample Details					
Set #:	62	Technician:	Bierbower, Bryce	Batched:	07:15 MDT
Specimen Size:	4" X 8"	Cast By:	Bierbower, Bryce	Sampled:	08:00 MDT
Specimens In Set:	5	Date Cast:	10/28/21	Cast:	08:15 MDT
Truck / Ticket #:	9232 / 62317914	Sampled From:	Pump	Truck Empty:	
Contractor:	3 sons	Placement Method:	Pump	Placement Time:	

Location	
Placement Location:	Pavement
Location Details:	Peoria Street. Northbound Lane. Center of intersection at Peoria and Belford Avenue.
Sample Location / Notes:	NTP

Batch Log		Specifications	
Supplier:	Aggregate Industries	Mix Design:	9456738
On-Site Admixtures:	None	Strength:	4500 (psi)
		Air:	5 - 8 (%)
		Slump:	1 - 4 (in)

Field Measurements			
Weather:	Cloudy	Slump (in):	5 (ASTM C143)
Air Temperature (F):	39	Concrete Temp (F):	75 (ASTM C1064)
		Plastic Unit Weight:	141.2 (lb/ft³) (ASTM C138)
		Air Content:	5.4 (ASTM C231)
		Load Volume:	11.00 (yd³)

Standard Cure		Field Cure	
Min / Max Temp (F):	36/44		

Lab Test Results										
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	11/04/21	6 / 1	4.00	12.57	52,975	4,210	5		N
62-2	28	11/25/21	6 / 22	4.02	12.69	70,435	5,550	4		N
62-3	28	11/25/21	6 / 22	4.00	12.57	67,925	5,400	2		N
62-4	28	11/25/21	6 / 22	4.00	12.57	68,720	5,470	6		N
62-5	56 H	12/23/21	6 / 50							

Test Age Average Strengths (psi): 7 Day - 4210, 28 Day - 5470										
								Capping Methods		
Tested By: David Nunez (1,2,3,4)								N: Unbonded Caps (ASTM C1231)		
Checked In : 11/03/2021 (1,2,3,4,5)										



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

Reviewed by Thomas Hastings

Sample obtained in general conformance with ASTM C172. Compressive strength conducted in general conformance with ASTM C39. The Contractor was informed of field testing results. The Contractor is responsible for security and initial curing environment of the specimens in accordance with ASTM C31. Testing is provided exclusively for the Client. Any use of the data by the Contractor is unauthorized and at their sole risk.

**Field Services**

3211 South Zuni Street  
Englewood, CO 80110  
Phone: (303) 759-8100

**Client:**

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

**Project:**

153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

Sample Details			
<b>Set #:</b>	63	<b>Technician:</b>	Bierbower, Bryce
<b>Specimen Size:</b>	4" X 8"	<b>Cast By:</b>	Bierbower, Bryce
<b>Specimens In Set:</b>	5	<b>Date Cast:</b>	10/29/21
<b>Truck / Ticket #:</b>	9612 / 62318017	<b>Sampled From:</b>	Pump
<b>Contractor:</b>	3 sons	<b>Placement Method:</b>	Pump
<b>Batched:</b>	07:37 MDT	<b>Sampled:</b>	08:15 MDT
<b>Cast:</b>	08:30 MDT	<b>Truck Empty:</b>	
<b>Placement Time:</b>			

Location	
<b>Placement Location:</b>	Pavement
<b>Location Details:</b>	Belford Avenue. Westbound Lane. 50' South of Northeast corner of intersection at Peoria and Belford Avenue.
<b>Sample Location / Notes:</b>	NTP

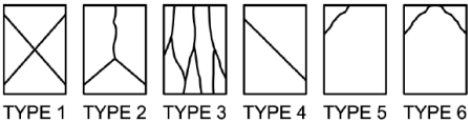
Batch Log		Specifications	
<b>Supplier:</b>	Aggregate Industries	<b>Mix Design:</b>	9456738
<b>On-Site Admixtures:</b>	None	<b>Strength:</b>	4500 (psi)
		<b>Air:</b>	5 - 8 (%)
		<b>Slump:</b>	1 - 4 (in)

Field Measurements			
<b>Weather:</b>	Cloudy	<b>Slump (in):</b>	5 (ASTM C143)
<b>Air Temperature (F):</b>	36	<b>Concrete Temp (F):</b>	72 (ASTM C1064)
		<b>Plastic Unit Weight:</b>	140.3 (lb/ft³) (ASTM C138)
		<b>Air Content:</b>	5.1 (ASTM C231)
		<b>Load Volume:</b>	10.50 (yd³)

Standard Cure		Field Cure	
<b>Min / Max Temp (F):</b>	36/44		

Lab Test Results										
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
63-1	7	11/05/21	5 / 2	4.00	12.57	60,725	4,830	5		N
63-2	28	11/26/21	5 / 23	4.00	12.57	73,720	5,870	6		N
63-3	28	11/26/21	5 / 23	4.00	12.57	79,630	6,340	2		N
63-4	28	11/26/21	5 / 23	4.00	12.57	80,770	6,430	3		N
63-5	56 H	12/24/21	5 / 51							

<b>Test Age Average Strengths (psi): 7 Day - 4830, 28 Day - 6210</b>										
									<b>Capping Methods</b>	
<b>Tested By:</b> David Nunez (1,2,3,4)									N: Unbonded Caps (ASTM C1231)	
<b>Checked In :</b> 11/03/2021 (1,2,3,4,5)										



Reviewed by Thomas Hastings



A.G. WASSENAAR, INC.

# Compressive Strength of Concrete

Test Method: ASTM C 39

Report #: CC-000129  
Report Date: 12/02/2021  
Sample: 52376

## Field Services

3211 South Zuni Street  
Englewood, CO 80110  
Phone: (303) 759-8100

## Client:

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

## Project:

153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

Sample Details			
Set #:	64	Technician:	Bierbower, Bryce
Specimen Size:	4" X 8"	Cast By:	Bierbower, Bryce
Specimens In Set:	5	Date Cast:	10/29/21
Truck / Ticket #:	9262 / 62318069	Sampled From:	Chute
Contractor:	3 sons	Placement Method:	Pump
Batched:	12:14 MDT	Sampled:	12:45 MDT
Cast:	13:00 MDT	Truck Empty:	
Placement Time:			

Location	
Placement Location:	Pavement
Location Details:	Belford Avenue. Westbound Lane. 150' South of Northeast corner of intersection at Peoria and Belford Avenue.
Sample Location / Notes:	NTP

Batch Log		Specifications	
Supplier:	Aggregate Industries	Mix Design:	9456738
On-Site Admixtures:	None	Strength:	4500 (psi)
		Air:	5 - 8 (%)
		Slump:	1 - 4 (in)

Field Measurements			
Weather:	Cloudy	Slump (in):	5 (ASTM C143)
Air Temperature (F):	42	Concrete Temp (F):	71 (ASTM C1064)
		Plastic Unit Weight:	140.0 (lb/ft³) (ASTM C138)
		Air Content:	5.6 (ASTM C231)
		Load Volume:	11.00 (yd³)

Standard Cure		Field Cure	
Min / Max Temp (F):	36/44		

Lab Test Results										
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	11/05/21	5 / 2	4.00	12.57	56,665	4,510	5		N
64-2	28	11/26/21	5 / 23	4.00	12.57	63,155	5,020	3		N
64-3	28	11/26/21	5 / 23	4.00	12.57	57,815	4,600	3		N
64-4	28	11/26/21	5 / 23	4.00	12.57	69,155	5,500	6		N
64-5	56 H	12/24/21	5 / 51							

Test Age Average Strengths (psi): 7 Day - 4510, 28 Day - 5040										
									Capping Methods	
Tested By: David Nunez (1,2,3,4)									N: Unbonded Caps (ASTM C1231)	
Checked In: 11/03/2021 (1,2,3,4,5)										



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

Reviewed by Thomas Hastings

Sample obtained in general conformance with ASTM C172. Compressive strength conducted in general conformance with ASTM C39. The Contractor was informed of field testing results. The Contractor is responsible for security and initial curing environment of the specimens in accordance with ASTM C31. Testing is provided exclusively for the Client. Any use of the data by the Contractor is unauthorized and at their sole risk.



A.G. WASSENAAR, INC.

# Compressive Strength of Concrete

Test Method: ASTM C 39

Report #: CC-000130  
Report Date: 12/02/2021  
Sample: 52377

### Field Services

3211 South Zuni Street  
Englewood, CO 80110  
Phone: (303) 759-8100

### Client:

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

### Project:

153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

Sample Details			
Set #:	65	Technician:	Bierbower, Bryce
Specimen Size:	4" X 8"	Cast By:	Bierbower, Bryce
Specimens In Set:	5	Date Cast:	11/01/21
Truck / Ticket #:	9232 / 62318146	Sampled From:	Pump
Contractor:	3 sons	Placement Method:	Pump
Batched:	07:35 MDT	Sampled:	08:15 MDT
		Cast:	08:30 MDT
		Truck Empty:	
		Placement Time:	

Location	
Placement Location:	Pavement
Location Details:	Belford Avenue. Eastbound Lane. 50' South of Southeast corner of intersection at Peoria and Belford Avenue.
Sample Location / Notes:	NTP

Batch Log		Specifications	
Supplier:	Aggregate Industries	Mix Design:	9456738
On-Site Admixtures:	None	Strength:	4500 (psi)
		Air:	5 - 8 (%)
		Slump:	1 - 4 (in)

Field Measurements			
Weather:	Cloudy	Slump (in):	5 (ASTM C143)
Air Temperature (F):	39	Concrete Temp (F):	72 (ASTM C1064)
		Plastic Unit Weight:	139.8 (lb/ft³) (ASTM C138)
		Air Content:	5.7 (ASTM C231)
		Load Volume:	10.00 (yd³)

Standard Cure		Field Cure	
Min / Max Temp (F):	36/44		

Lab Test Results										
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	11/08/21	2 / 5	4.00	12.57	51,845	4,130	5		N
65-2	28	11/29/21	2 / 26	4.00	12.57	75,730	6,030	2		N
65-3	28	11/29/21	2 / 26	4.00	12.57	76,440	6,080	5		N
65-4	28	11/29/21	2 / 26	4.00	12.57	65,070	5,180	5		N
65-5	56 H	12/27/21	2 / 54							

Test Age Average Strengths (psi): 7 Day - 4130, 28 Day - 5760										
								Capping Methods		
Tested By: David Nunez (1,2,3,4)								N: Unbonded Caps (ASTM C1231)		
Checked In : 11/03/2021 (1,2,3,4,5)										



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

Reviewed by Thomas Hastings

Sample obtained in general conformance with ASTM C172. Compressive strength conducted in general conformance with ASTM C39. The Contractor was informed of field testing results. The Contractor is responsible for security and initial curing environment of the specimens in accordance with ASTM C31. Testing is provided exclusively for the Client. Any use of the data by the Contractor is unauthorized and at their sole risk.



A.G. WASSENAAR, INC.

# Compressive Strength of Concrete

Test Method: ASTM C 39

Report #: CC-000134

Report Date: 12/02/2021

Sample: 52379

### Field Services

3211 South Zuni Street  
Englewood, CO 80110  
Phone: (303) 759-8100

### Client:

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

### Project:

153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

### Sample Details

<b>Set #:</b>	66	<b>Technician:</b>	Eisenberg, Alexander	<b>Batched:</b>	08:01 MDT
<b>Specimen Size:</b>	4" X 8"	<b>Cast By:</b>	Eisenberg, Alexander	<b>Sampled:</b>	08:40 MDT
<b>Specimens In Set:</b>	5	<b>Date Cast:</b>	11/03/21	<b>Cast:</b>	08:55 MDT
<b>Truck / Ticket #:</b>	9263 / 62318280	<b>Sampled From:</b>	Pump	<b>Truck Empty:</b>	
<b>Contractor:</b>	George - 3 sons	<b>Placement Method:</b>	Pump	<b>Placement Time:</b>	

### Location

**Placement Location:** Pavement  
**Location Details:** Belford Ave, 50' East of S. Peoria Street  
**Sample Location / Notes:** ntp

### Batch Log

**Supplier:** Aggregate Industries  
**On-Site Admixtures:** None  
**Mix Design:** 9456738

### Specifications

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

### Field Measurements

**Weather:**  
**Air Temperature (F):**  
**Slump (in):** 5 (ASTM C143)  
**Concrete Temp (F):** 77 (ASTM C1064)  
**Plastic Unit Weight:** 138.7 (lb/ft³) (ASTM C138)  
**Air Content:** 6.3 (ASTM C231)  
**Load Volume:** 11.00 (yd³)

### Standard Cure

**Min / Max Temp (F):** 60/80

### Field Cure

### Lab Test Results

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	11/10/21	1 / 6	4.00	12.57	66,345	5,280	6		N
66-2	28	12/01/21	1 / 27	4.00	12.57	60,065	4,780	5		N
66-3	28	12/01/21	1 / 27	4.00	12.57	58,905	4,690	6		N
66-4	28	12/01/21	1 / 27	4.00	12.57	58,530	4,660	3		N
66-5	56 H	12/29/21	1 / 55							

**Test Age Average Strengths (psi):** 7 Day - 5280, 28 Day - 4710

### Capping Methods

**Tested By:** David Nunez (1,2,3,4)  
**Checked In :** 11/04/2021 (1,2,3,4,5)  
**N:** Unbonded Caps (ASTM C1231)

### General Remarks

inspector wanted me to test from pump for the first test and truck the remainder



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

Reviewed by Thomas Hastings

Sample obtained in general conformance with ASTM C172. Compressive strength conducted in general conformance with ASTM C39. The Contractor was informed of field testing results. The Contractor is responsible for security and initial curing environment of the specimens in accordance with ASTM C31. Testing is provided exclusively for the Client. Any use of the data by the Contractor is unauthorized and at their sole risk.



A.G. WASSENAAR, INC.

# Compressive Strength of Concrete

Test Method: ASTM C 39

Report #: CC-000135  
Report Date: 12/02/2021  
Sample: 52380

## Field Services

3211 South Zuni Street  
Englewood, CO 80110  
Phone: (303) 759-8100

## Client:

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

## Project:

153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

### Sample Details

<b>Set #:</b>	67	<b>Technician:</b>	Eisenberg, Alexander	<b>Batched:</b>	08:01 MDT
<b>Specimen Size:</b>	4" X 8"	<b>Cast By:</b>	Eisenberg, Alexander	<b>Sampled:</b>	08:40 MDT
<b>Specimens In Set:</b>	5	<b>Date Cast:</b>	11/03/21	<b>Cast:</b>	08:55 MDT
<b>Truck / Ticket #:</b>	9263 / 62318280	<b>Sampled From:</b>	Pump	<b>Truck Empty:</b>	
<b>Contractor:</b>	Three Sons	<b>Placement Method:</b>	Pump	<b>Placement Time:</b>	

### Location

**Placement Location:** Pavement  
**Location Details:** Belford Avenue, 50' East of South Peoria Street.  
**Sample Location / Notes:** ntp

### Batch Log

**Supplier:** Aggregate Industries  
**On-Site Admixtures:** None  
**Mix Design:** 9456738

### Specifications

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

### Field Measurements

**Weather:**  
**Air Temperature (F):**  
**Slump (in):** 5 (ASTM C143)  
**Concrete Temp (F):** 77 (ASTM C1064)  
**Plastic Unit Weight:** 138.7 (lb/ft³) (ASTM C138)  
**Air Content:** 6.3 (ASTM C231)  
**Load Volume:** 11.00 (yd³)

### Standard Cure

**Min / Max Temp (F):** 60/80

### Field Cure

### Lab Test Results

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	11/10/21	1 / 6	4.00	12.57	64,325	5,120	5		N
67-2	28	12/01/21	1 / 27	4.00	12.57	72,265	5,750	4		N
67-3	28	12/01/21	1 / 27	4.02	12.69	74,450	5,870	3		N
67-4	28	12/01/21	1 / 27	4.00	12.57	75,185	5,980	3		N
67-5	56 H	12/29/21	1 / 55							

**Test Age Average Strengths (psi):** 7 Day - 5120, 28 Day - 5870

### Capping Methods

**Tested By:** David Nunez (1,2,3,4)  
**Checked In :** 11/04/2021 (1,2,3,4,5)  
**N:** Unbonded Caps (ASTM C1231)

### General Remarks

102 of 135 yards



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

Reviewed by Thomas Hastings

Sample obtained in general conformance with ASTM C172. Compressive strength conducted in general conformance with ASTM C39. The Contractor was informed of field testing results. The Contractor is responsible for security and initial curing environment of the specimens in accordance with ASTM C31. Testing is provided exclusively for the Client. Any use of the data by the Contractor is unauthorized and at their sole risk.



A.G. WASSENAAR, INC.

Field Services

3211 South Zuni Street
Englewood, CO 80110
Phone: (303) 759-8100

Compressive Strength of Concrete

Test Method: ASTM C 39

Report #: CC-000131
Report Date: 12/02/2021
Sample: 52384

Client:

Belford North Metropolitan District
c/o Clifton Larson Allen
8390 East Crescent Parkway, Suite 300
Greenwood Village, CO 80111

Project:

153733
Compark Village South, Filing 1 Infrastructure
Peoria and Belford
Parker, CO 00000

Table with 3 columns: Set #, Specimen Size, Specimens In Set, Truck / Ticket #, Contractor, Technician, Cast By, Date Cast, Sampled From, Placement Method, Batched, Sampled, Cast, Truck Empty, Placement Time.

Table with 1 column: Location. Placement Location: Pavement. Location Details: Belford Avenue. Eastbound Lane. 150' South of Southeast corner of intersection at Peoria and Belford Avenue. Sample Location / Notes: NTP.

Table with 2 columns: Batch Log and Specifications. Batch Log includes Supplier, On-Site Admixtures, Mix Design. Specifications include Strength, Air, Slump.

Table with 3 columns: Field Measurements. Weather, Air Temperature, Slump, Concrete Temp, Plastic Unit Weight, Air Content, Load Volume.

Table with 2 columns: Standard Cure and Field Cure. Min / Max Temp (F): 36/44.

Table with 11 columns: 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. Contains 5 rows of test data.

Table with 2 columns: Test Age Average Strengths (psi): 7 Day - 4540, 28 Day - 5450. Capping Methods: N: Unbonded Caps (ASTM C1231). Tested By: David Nunez (1,2,3,4). Checked In: 11/03/2021 (1,2,3,4,5).



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

Reviewed by Thomas Hastings

Sample obtained in general conformance with ASTM C172. Compressive strength conducted in general conformance with ASTM C39. The Contractor was informed of field testing results. The Contractor is responsible for security and initial curing environment of the specimens in accordance with ASTM C31. Testing is provided exclusively for the Client. Any use of the data by the Contractor is unauthorized and at their sole risk.



A.G. WASSENAAR, INC.

# Compressive Strength of Concrete

Test Method: ASTM C 39

Report #: CC-000132  
Report Date: 12/02/2021  
Sample: 52385

## Field Services

3211 South Zuni Street  
Englewood, CO 80110  
Phone: (303) 759-8100

## Client:

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

## Project:

153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

Sample Details			
Set #:	69	Technician:	Bierbower, Bryce
Specimen Size:	4" X 8"	Cast By:	Bierbower, Bryce
Specimens In Set:	5	Date Cast:	11/02/21
Truck / Ticket #:	9227 / 62318210	Sampled From:	Pump
Contractor:	3 sons	Placement Method:	Pump
Batched:	07:30 MDT	Sampled:	08:00 MDT
		Cast:	08:15 MDT
		Truck Empty:	
		Placement Time:	

Location	
Placement Location:	Pavement
Location Details:	Belford Avenue. Eastbound Lane. 150' South of Southeast corner of intersection at Peoria and Belford Avenue.
Sample Location / Notes:	NTP

Batch Log		Specifications	
Supplier:	Aggregate Industries	Mix Design:	9456738
On-Site Admixtures:	None	Strength:	4500 (psi)
		Air:	5 - 8 (%)
		Slump:	1 - 4 (in)

Field Measurements			
Weather:	Cloudy	Slump (in):	5 (ASTM C143)
Air Temperature (F):	36	Concrete Temp (F):	74 (ASTM C1064)
		Plastic Unit Weight:	141.0 (lb/ft³) (ASTM C138)
		Air Content:	5.4 (ASTM C231)
		Load Volume:	11.00 (yd³)

Standard Cure		Field Cure	
Min / Max Temp (F):	36/44		

Lab Test Results										
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	11/09/21	1 / 6	4.00	12.57	64,580	5,140	6		N
69-2	28	11/30/21	1 / 27	4.01	12.63	72,765	5,760	2		N
69-3	28	11/30/21	1 / 27	4.01	12.63	72,850	5,770	2		N
69-4	28	11/30/21	1 / 27	4.01	12.63	73,720	5,840	2		N
69-5	56 H	12/28/21	1 / 55							

Test Age Average Strengths (psi): 7 Day - 5140, 28 Day - 5790										
								Capping Methods		
Tested By: David Nunez (1,2,3,4)								N: Unbonded Caps (ASTM C1231)		
Checked In : 11/03/2021 (1,2,3,4,5)										



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

Reviewed by Thomas Hastings

Sample obtained in general conformance with ASTM C172. Compressive strength conducted in general conformance with ASTM C39. The Contractor was informed of field testing results. The Contractor is responsible for security and initial curing environment of the specimens in accordance with ASTM C31. Testing is provided exclusively for the Client. Any use of the data by the Contractor is unauthorized and at their sole risk.



A.G. WASSENAAR, INC.

# Compressive Strength of Concrete

Test Method: ASTM C 39

Report #: CC-000133

Report Date: 12/02/2021

Sample: 52389

### Field Services

3211 South Zuni Street  
Englewood, CO 80110  
Phone: (303) 759-8100

### Client:

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

### Project:

153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

Sample Details			
Set #:	70	Technician:	Bierbower, Bryce
Specimen Size:	4" X 8"	Cast By:	Bierbower, Bryce
Specimens In Set:	5	Date Cast:	11/02/21
Truck / Ticket #:	9104 / 62318241	Sampled From:	Chute
Contractor:	3 sons	Placement Method:	Pump
Batched:	11:15 MDT	Sampled:	12:15 MDT
		Cast:	12:30 MDT
		Truck Empty:	
		Placement Time:	

Location	
Placement Location:	Pavement
Location Details:	Belford Avenue. Eastbound Lane. 150' South of Southeast corner of intersection at Peoria and Belford Avenue.
Sample Location / Notes:	NTP

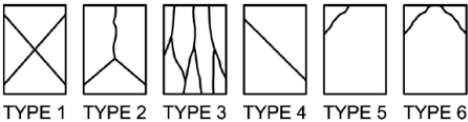
Batch Log		Specifications	
Supplier:	Aggregate Industries	Mix Design:	9456738
On-Site Admixtures:	None	Strength:	4500 (psi)
		Air:	5 - 8 (%)
		Slump:	1 - 4 (in)

Field Measurements			
Weather:	Cloudy	Slump (in):	5 (ASTM C143)
Air Temperature (F):	42	Concrete Temp (F):	71 (ASTM C1064)
		Plastic Unit Weight:	140.6 (lb/ft³) (ASTM C138)
		Air Content:	5.3 (ASTM C231)
		Load Volume:	11.00 (yd³)

Standard Cure		Field Cure	
Min / Max Temp (F):	36/44		

Lab Test Results										
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	11/09/21	1 / 6	4.00	12.57	60,780	4,840	5		N
70-2	28	11/30/21	1 / 27	4.01	12.63	70,975	5,620	2		N
70-3	28	11/30/21	1 / 27	4.01	12.63	70,140	5,550	2		N
70-4	28	11/30/21	1 / 27	4.01	12.63	71,515	5,660	2		N
70-5	56 H	12/28/21	1 / 55							

Test Age Average Strengths (psi): 7 Day - 4840, 28 Day - 5610										
									Capping Methods	
Tested By: David Nunez (1,2,3,4)									N: Unbonded Caps (ASTM C1231)	
Checked In : 11/03/2021 (1,2,3,4,5)										



Reviewed by Thomas Hastings

Sample obtained in general conformance with ASTM C172. Compressive strength conducted in general conformance with ASTM C39. The Contractor was informed of field testing results. The Contractor is responsible for security and initial curing environment of the specimens in accordance with ASTM C31. Testing is provided exclusively for the Client. Any use of the data by the Contractor is unauthorized and at their sole risk.



A.G. WASSENAAR, INC.

# Compressive Strength of Concrete

Test Method: ASTM C 39

Report #: CC-000145  
Report Date: 01/05/2022  
Sample: 53499

## Field Services

3211 South Zuni Street  
Englewood, CO 80110  
Phone: (303) 759-8100

## Client:

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

## Project:

153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

### Sample Details

<b>Set #:</b>	75	<b>Technician:</b>	Eisenberg, Alexander	<b>Batched:</b>	09:29 MST
<b>Specimen Size:</b>	4" X 8"	<b>Cast By:</b>	Eisenberg, Alexander	<b>Sampled:</b>	10:30 MST
<b>Specimens In Set:</b>	7	<b>Date Cast:</b>	12/03/21	<b>Cast:</b>	10:45 MST
<b>Truck / Ticket #:</b>	168 / 62319743	<b>Sampled From:</b>	Chute	<b>Truck Empty:</b>	
<b>Contractor:</b>	3sons	<b>Placement Method:</b>	Chute	<b>Placement Time:</b>	

### Location

**Placement Location:** Pavement  
**Location Details:** South Peoria Street, 75' north of Belford Ave  
**Sample Location / Notes:** Ntp

### Batch Log

**Supplier:** Aggregate Industries  
**On-Site Admixtures:** None  
**Mix Design:** 9456738

### Specifications

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

### Field Measurements

**Weather:**  
**Air Temperature (F):**  
**Slump (in):** 2 (ASTM C143)  
**Concrete Temp (F):** 84 (ASTM C1064)  
**Plastic Unit Weight:** 143.9 (lb/ft³) (ASTM C138)  
**Air Content:** 6.0 (ASTM C231)  
**Load Volume:** 10.00 (yd³)

### Standard Cure

**Min / Max Temp (F):** 60/80

### Field Cure

### Lab Test Results

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	12/10/21	1 / 6	4.02	12.69	77,395	6,100	3		N
75-2	28	12/31/21	1 / 27	4.02	12.69	88,020	6,940	2		N
75-3	28	12/31/21	1 / 27	4.00	12.57	95,435	7,590	3		N
75-4	28	12/31/21	1 / 27	4.00	12.57	91,980	7,320	2		N
75-5	56 H	01/28/22	1 / 55							
75-6	10	12/13/21	6 / 4	4.00	12.57	77,295	6,150	5		N
75-7	14	12/17/21	6 / 8	4.00	12.57	86,740	6,900	5		N

**Test Age Average Strengths (psi):** 7 Day - 6100, 28 Day - 7280, 10 Day - 6150, 14 Day - 6900

### Capping Methods

**Tested By:** David Nunez (1,2,3,4,6,7)

**N:** Unbonded Caps (ASTM C1231)

**Checked In :** 12/04/2021 (1,2,3,4,5), 12/09/2021 (6), 12/09/2021 (7)



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

Reviewed by Thomas Hastings

Sample obtained in general conformance with ASTM C172. Compressive strength conducted in general conformance with ASTM C39. The Contractor was informed of field testing results. The Contractor is responsible for security and initial curing environment of the specimens in accordance with ASTM C31. Testing is provided exclusively for the Client. Any use of the data by the Contractor is unauthorized and at their sole risk.



A.G. WASSENAAR, INC.

# Compressive Strength of Concrete

Test Method: ASTM C 39

Report #: CC-000144  
Report Date: 01/05/2022  
Sample: 53502

## Field Services

3211 South Zuni Street  
Englewood, CO 80110  
Phone: (303) 759-8100

## Client:

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

## Project:

153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

Sample Details			
Set #:	76	Technician:	Eisenberg, Alexander
Specimen Size:	4" X 8"	Cast By:	Eisenberg, Alexander
Specimens In Set:	7	Date Cast:	12/03/21
Truck / Ticket #:	9232 / 62319752	Sampled From:	Chute
Contractor:	3sons	Placement Method:	Chute
Batched:	12:05 MST	Sampled:	12:50 MST
Cast:	13:05 MST	Truck Empty:	
Placement Time:			

Location	
Placement Location:	Median
Location Details:	South Peoria Street, 25' north of Belford Ave
Sample Location / Notes:	Ntp

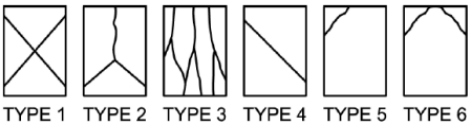
Batch Log		Specifications	
Supplier:	Aggregate Industries	Mix Design:	9456738
On-Site Admixtures:	None	Strength:	4500 (psi)
		Air:	5 - 8 (%)
		Slump:	1 - 4 (in)

Field Measurements			
Weather:		Slump (in):	4-1/2 (ASTM C143)
Air Temperature (F):		Concrete Temp (F):	87 (ASTM C1064)
		Plastic Unit Weight:	143.1 (lb/ft³) (ASTM C138)
		Air Content:	5.5 (ASTM C231)
		Load Volume:	10.00 (yd³)

Standard Cure		Field Cure	
Min / Max Temp (F):	60/80		

Lab Test Results										
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	12/10/21	1 / 6	4.00	12.57	69,935	5,560	5		N
76-2	28	12/31/21	1 / 27	4.00	12.57	79,540	6,330	5		N
76-3	28	12/31/21	1 / 27	4.00	12.57	81,170	6,460	2		N
76-4	28	12/31/21	1 / 27	4.00	12.57	80,825	6,430	3		N
76-5	56 H	01/28/22	1 / 55							
76-6	10	12/13/21	6 / 4	4.00	12.57	76,030	6,050	2		N
76-7	14	12/17/21	6 / 8	4.00	12.57	75,880	6,040	2		N

Test Age Average Strengths (psi): 7 Day - 5560, 28 Day - 6410, 10 Day - 6050, 14 Day - 6040										
									Capping Methods	
Tested By: David Nunez (1,2,3,4,6,7)									N: Unbonded Caps (ASTM C1231)	
Checked In : 12/04/2021 (1,2,3,4,5), 12/09/2021 (6,7)										



Reviewed by Thomas Hastings

Sample obtained in general conformance with ASTM C172. Compressive strength conducted in general conformance with ASTM C39. The Contractor was informed of field testing results. The Contractor is responsible for security and initial curing environment of the specimens in accordance with ASTM C31. Testing is provided exclusively for the Client. Any use of the data by the Contractor is unauthorized and at their sole risk.



A.G. WASSENAAR, INC.

Field Services

3211 South Zuni Street
Englewood, CO 80110
Phone: (303) 759-8100

Compressive Strength of Concrete

Test Method: ASTM C 39

Report #: CC-000148
Report Date: 01/12/2022
Sample: 53445

Client:

Belford North Metropolitan District
c/o Clifton Larson Allen
8390 East Crescent Parkway, Suite 300
Greenwood Village, CO 80111

Project:

153733
Compark Village South, Filing 1 Infrastructure
Peoria and Belford
Parker, CO 00000

Table with 4 columns: Set #, Specimen Size, Specimens In Set, Truck / Ticket #, Contractor, Technician, Cast By, Date Cast, Sampled From, Placement Method, Batched, Sampled, Cast, Truck Empty, Placement Time.

Table with 2 columns: Placement Location, Location Details, Sample Location / Notes.

Table with 2 columns: Batch Log, Specifications. Includes Supplier, Mix Design, On-Site Admixtures, Strength, Air, Slump.

Table with 4 columns: Weather, Air Temperature (F), Slump (in), Concrete Temp (F), Plastic Unit Weight, Air Content, Load Volume.

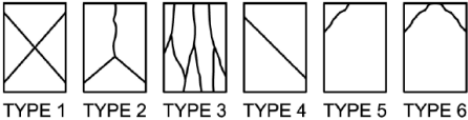
Table with 2 columns: Standard Cure, Field Cure. Includes Min / Max Temp (F).

Table with 11 columns: 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.

Test Age Average Strengths (psi): 7 Day - 4220, 28 Day - 5160

Table with 2 columns: Tested By, Checked In, Capping Methods.

General Remarks
Failed at 146.8 pcf/3.5% air.
Informed contractor and driver and he added 1 full airpack and 3 gallons water.
Retested and it passed



Reviewed by Thomas Hastings



A.G. WASSENAAR, INC.

# Compressive Strength of Concrete

Test Method: ASTM C 39

Report #: CC-000154  
Report Date: 01/18/2022  
Sample: 53960

## Field Services

3211 South Zuni Street  
Englewood, CO 80110  
Phone: (303) 759-8100

## Client:

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

## Project:

153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

Sample Details			
Set #:	84	Technician:	Bierbower, Bryce
Specimen Size:	4" X 8"	Cast By:	Bierbower, Bryce
Specimens In Set:	5	Date Cast:	12/17/21
Truck / Ticket #:	9227 / 62320350	Sampled From:	Chute
Contractor:	Three sons	Placement Method:	Chute
Batched:	09:43 MST	Sampled:	10:30 MST
Cast:	10:45 MST	Truck Empty:	
Placement Time:			

Location	
Placement Location:	Pavement
Location Details:	20' South of intersection at Peoria street and Belford Avenue.
Sample Location / Notes:	NTP

Batch Log		Specifications	
Supplier:	Aggregate Industries	Mix Design:	9456738
On-Site Admixtures:	None	Strength:	4500 (psi)
		Air:	5 - 8 (%)
		Slump:	1 - 4 (in)

Field Measurements			
Weather:	Sunny	Slump (in):	4 (ASTM C143)
Air Temperature (F):	34	Concrete Temp (F):	61 (ASTM C1064)
		Plastic Unit Weight:	140.0 (lb/ft³) (ASTM C138)
		Air Content:	6.4 (ASTM C231)
		Load Volume:	10.00 (yd³)

Standard Cure		Field Cure	
Min / Max Temp (F):	64/68		

Lab Test Results										
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
84-1	7	12/24/21	1 / 6	4.00	12.57	63,825	5,080	5		N
84-2	28	01/14/22	1 / 27	4.00	12.57	77,940	6,200	3		N
84-3	28	01/14/22	1 / 27	4.00	12.57	75,025	5,970	2		N
84-4	28	01/14/22	1 / 27	4.00	12.57	75,960	6,040	6		N
84-5	56 H	02/11/22	1 / 55							

Test Age Average Strengths (psi): 7 Day - 5080, 28 Day - 6070										
Tested By: David Nunez (1,2,3,4)									Capping Methods	
Checked In : 12/18/2021 (1,2,3,4,5)									N: Unbonded Caps (ASTM C1231)	



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

Reviewed by Thomas Hastings

Sample obtained in general conformance with ASTM C172. Compressive strength conducted in general conformance with ASTM C39. The Contractor was informed of field testing results. The Contractor is responsible for security and initial curing environment of the specimens in accordance with ASTM C31. Testing is provided exclusively for the Client. Any use of the data by the Contractor is unauthorized and at their sole risk.



A.G. WASSENAAR, INC.

Field Services  
3211 South Zuni Street  
Englewood, CO 80110  
Phone: (303) 759-8100

# Concrete Placement Summary

Report #: CPS-000007  
Report Date: 10/13/2021

**Client:**

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

**Project:**

153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

<b>Placement Date:</b> 09/22/21	<b>Placement Location:</b> Curb and Gutter	<b>Placement Method:</b> Chute	<b>Technician:</b> Caperton, Mason
<b>Weather:</b> Clear	<b>Location Details:</b> Belford Avenue, eastbound, Station 11+25. 30 of 36 yards	<b>Mix Design:</b> 7456120	<b>Specified Strength (psi):</b> 4500
<b>Contractor:</b> Three Sons Construction		<b>Supplier:</b> Aggregate Industries	

Sample	Set	Truck # Ticket #	Load / Cume Vol (yd³)	Times	Placement Time (min)	Consistency	Air Content (%)	Unit Weight (lb/ft³)	Concrete Temp (F)	Air Temp (F)	On-Site Admixtures	Specimens Cast	Specimen Size	Sample Type
50817	10	9259 62315778	10.00 / 10	Batched: 08:22 MDT Arrived: 09:45 MDT		Slump: 4 in. Spec: 1 - 4	Result: 7.0 Spec: 5 - 8	143.8	75	70	None			FT



A. G. WASSENAAR, INC.  
 Field Services  
 3211 South Zuni Street  
 Englewood, CO 80110  
 Phone: (303) 759-8100

# Concrete Placement Summary

Report #: CPS-000008  
 Report Date: 10/13/2021

Client:  
 Belford North Metropolitan District  
 c/o Clifton Larson Allen  
 8390 East Crescent Parkway, Suite 300  
 Greenwood Village, CO 80111

Project:  
 153733  
 Comparek Village South, Filing 1 Infrastructure  
 Peoria and Belford  
 Parker, CO 00000

<b>Placement Date:</b> 09/28/21	<b>Placement Location:</b> Pavement	<b>Placement Method:</b>	<b>Technician:</b> Zawodsky, Josh
<b>Weather:</b> Sunny	<b>Location Details:</b> South Peoria Street, northbound, 110' South of Belford Avenue, Lane 1	<b>Mix Design:</b> 9456738	<b>Specified Strength (psi):</b> 4500
<b>Contractor:</b> Three Sons		<b>Supplier:</b> Aggregate Industries	

Sample	Set	Truck # Ticket #	Load / Cume Vol (yd³)	Times	Placement Time (min)	Consistency	Air Content (%)	Unit Weight (lb/ft³)	Concrete Temp (F)	Air Temp (F)	On-Site Admixtures	Specimens Cast	Specimen Size	Sample Type
50964	12	9220 62316126	11.00 / 11	Batched: 07:25 MDT Arrived: 07:45 MDT		Slump: 5-1/2 in. Spec: 1 - 4	Result: 6.1 Spec: 5 - 8	142.0	76	67	None			FT

<b>Placement Date:</b> 09/28/21	<b>Placement Location:</b> Pavement	<b>Placement Method:</b>	<b>Technician:</b> Zawodsky, Josh
<b>Weather:</b> Sunny	<b>Location Details:</b> South Peoria Street, northbound, 120' South of Belford Avenue, Lane 1	<b>Mix Design:</b> 9456738	<b>Specified Strength (psi):</b> 4500
<b>Contractor:</b> Three Sons		<b>Supplier:</b> Aggregate Industries	

Sample	Set	Truck # Ticket #	Load / Cume Vol (yd³)	Times	Placement Time (min)	Consistency	Air Content (%)	Unit Weight (lb/ft³)	Concrete Temp (F)	Air Temp (F)	On-Site Admixtures	Specimens Cast	Specimen Size	Sample Type
50965	13	9612 62316126	10.00 / 10	Batched: 08:06 MDT Arrived: 08:22 MDT		Slump: 5 in. Spec: 1 - 4	Result: 5.9 Spec: 5 - 8	142.8	80	67	None			FT

**Placement Notes - Sample 50965:** Douglas County requires six cylinders. "From county inspector"



A. G. WASSENAAR, INC.

Field Services  
3211 South Zuni Street  
Englewood, CO 80110  
Phone: (303) 759-8100

# Concrete Placement Summary

Report #: CPS-000009  
Report Date: 10/13/2021

## Client:

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

## Project:

153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

<b>Placement Date:</b> 09/29/21		<b>Placement Location:</b> Pavement				<b>Placement Method:</b> Chute				<b>Technician:</b> Zawodsky, Josh				
<b>Weather:</b> Clear		<b>Location Details:</b> South Peoria Street, northbound lane, 115' South of Belford Avenue, Lane 2				<b>Mix Design:</b> 9456738				<b>Specified Strength (psi):</b> 4500				
<b>Contractor:</b> 3 Sons						<b>Supplier:</b> Aggregate Industries								
Sample	Set	Truck # Ticket #	Load / Cume Vol (yd <sup>3</sup> )	Times	Placement Time (min)	Consistency	Air Content (%)	Unit Weight (lb/ft <sup>3</sup> )	Concrete Temp (F)	Air Temp (F)	On-Site Admixtures	Specimens Cast	Specimen Size	Sample Type
51036	14	9612 62316197	10.00 / 10	Batched: 07:50 MDT Arrived: 08:05 MDT		Slump: 5-1/2 in. Spec: 1 - 4	Result: 5.9 Spec: 5 - 8	138.8	75	65	None			FT

<b>Placement Date:</b> 09/29/21		<b>Placement Location:</b> Pavement				<b>Placement Method:</b> Chute				<b>Technician:</b> Zawodsky, Josh				
<b>Weather:</b> Clear		<b>Location Details:</b> South Peoria Street, northbound lane, 130' South of Belford Avenue, Lane 2				<b>Mix Design:</b> 9456738				<b>Specified Strength (psi):</b> 4500				
<b>Contractor:</b> 3 Sons						<b>Supplier:</b> Aggregate Industries								
Sample	Set	Truck # Ticket #	Load / Cume Vol (yd <sup>3</sup> )	Times	Placement Time (min)	Consistency	Air Content (%)	Unit Weight (lb/ft <sup>3</sup> )	Concrete Temp (F)	Air Temp (F)	On-Site Admixtures	Specimens Cast	Specimen Size	Sample Type
51037	15	9220 62316199	10.00 / 10	Batched: 07:58 MDT Arrived: 08:16 MDT		Slump: 6 in. Spec: 1 - 4	Result: 5.5 Spec: 5 - 8	142.4	78	65	None			FT



A. G. WASSENAAR, INC.

Field Services  
3211 South Zuni Street  
Englewood, CO 80110  
Phone: (303) 759-8100

# Concrete Placement Summary

Report #: CPS-000010  
Report Date: 10/13/2021

**Client:**

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

**Project:**

153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

<b>Placement Date:</b> 10/01/21		<b>Placement Location:</b> Pavement				<b>Placement Method:</b>				<b>Technician:</b> Zawodsky, Josh					
<b>Weather:</b> Cloudy		<b>Location Details:</b> 110' South of Belford Avenue and South Peoria Street. Deceleration lane				<b>Mix Design:</b> 9456738				<b>Specified Strength (psi):</b> 4500					
<b>Contractor:</b> Three Sons						<b>Supplier:</b> Aggregate Industries									
Sample	Set	Truck # Ticket #	Load / Cume Vol (yd <sup>3</sup> )	Times	Placement Time (min)	Consistency	Air Content (%)	Unit Weight (lb/ft <sup>3</sup> )	Concrete Temp (F)	Air Temp (F)	On-Site Admixtures	Specimens Cast	Specimen Size	Sample Type	
51124	19	9612 62316339	10.00 / 10	Batched: 07:54 MDT Arrived: 08:10 MDT		Slump: 5-1/2 in. Spec: 1 - 4	Result: 5.5 Spec: 5 - 8	145.6	77	52	None			FT	

<b>Placement Date:</b> 10/01/21		<b>Placement Location:</b> Pavement				<b>Placement Method:</b>				<b>Technician:</b> Zawodsky, Josh					
<b>Weather:</b> Cloudy		<b>Location Details:</b> 130' South of Belford Avenue and South Peoria Street. Deceleration lane				<b>Mix Design:</b> 9456738				<b>Specified Strength (psi):</b> 4500					
<b>Contractor:</b> Three Sons						<b>Supplier:</b> Aggregate Industries									
Sample	Set	Truck # Ticket #	Load / Cume Vol (yd <sup>3</sup> )	Times	Placement Time (min)	Consistency	Air Content (%)	Unit Weight (lb/ft <sup>3</sup> )	Concrete Temp (F)	Air Temp (F)	On-Site Admixtures	Specimens Cast	Specimen Size	Sample Type	
51125	20	168 62316342	10.00 / 10	Batched: 08:07 MDT Arrived: 08:36 MDT		Slump: 6 in. Spec: 1 - 4	Result: 6.0 Spec: 5 - 8	140.9	74		None			FT	



A. G. WASSENAAR, INC.

Field Services  
3211 South Zuni Street  
Englewood, CO 80110  
Phone: (303) 759-8100

# Concrete Placement Summary

Report #: CPS-000011  
Report Date: 10/13/2021

**Client:**

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

**Project:**

153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

<b>Placement Date:</b> 10/04/21	<b>Placement Location:</b> Curb and Gutter	<b>Placement Method:</b> Machine	<b>Technician:</b> Englehardt, Casey
<b>Weather:</b> Clear	<b>Location Details:</b> 5' North of Inlet 1-2 on Belford Ave , North bound	<b>Mix Design:</b> 7456101	<b>Specified Strength (psi):</b> 4500
<b>Contractor:</b> Three Sons Constuction		<b>Supplier:</b> Aggregate Industries	

Sample	Set	Truck # Ticket #	Load / Cume Vol (yd³)	Times	Placement Time (min)	Consistency	Air Content (%)	Unit Weight (lb/ft³)	Concrete Temp (F)	Air Temp (F)	On-Site Admixtures	Specimens Cast	Specimen Size	Sample Type
51222	21	9612 62316443	10.00 / 10	Batched: 06:57 MDT Arrived: 07:25 MDT		Slump: 2-1/4 in. Spec: 1 - 4	Result: 5.0 Spec: 5 - 8	145.7	70	54	None			FT

<b>Placement Date:</b> 10/04/21	<b>Placement Location:</b> Curb and Gutter	<b>Placement Method:</b> Machine	<b>Technician:</b> Englehardt, Casey
<b>Weather:</b> Clear	<b>Location Details:</b> 15' North of Inlet 1-2 on Belford Ave , North bound	<b>Mix Design:</b> 7456101	<b>Specified Strength (psi):</b> 4500
<b>Contractor:</b> Three Sons Constuction		<b>Supplier:</b> Aggregate Industries	

Sample	Set	Truck # Ticket #	Load / Cume Vol (yd³)	Times	Placement Time (min)	Consistency	Air Content (%)	Unit Weight (lb/ft³)	Concrete Temp (F)	Air Temp (F)	On-Site Admixtures	Specimens Cast	Specimen Size	Sample Type
51224	22	9237 62316446	10.00 / 10	Batched: 07:38 MDT Arrived: 08:09 MDT		Slump: 3-1/4 in. Spec: 1 - 4	Result: 7.1 Spec: 5 - 8	142.5	73	54	None			FT



A. G. WASSENAAR, INC.

Field Services  
3211 South Zuni Street  
Englewood, CO 80110  
Phone: (303) 759-8100

# Concrete Placement Summary

Report #: CPS-000012  
Report Date: 10/27/2021

Client:  
Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

Project:  
153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

<b>Placement Date:</b> 09/22/21		<b>Placement Location:</b> Radius				<b>Placement Method:</b> Chute				<b>Technician:</b> Teel, Treven					
<b>Weather:</b> Clear		<b>Location Details:</b> 15' From Radius Of South Peoria Street & East Belford Avenue, STA 12+68.32, 52.50 'R. 20 of 36 yards				<b>Mix Design:</b> 7456120				<b>Specified Strength (psi):</b> 4500					
<b>Contractor:</b> Three Sons Construction						<b>Supplier:</b> Aggregate Industries									
Sample	Set	Truck # Ticket #	Load / Cume Vol (yd³)	Times	Placement Time (min)	Consistency	Air Content (%)	Unit Weight (lb/ft³)	Concrete Temp (F)	Air Temp (F)	On-Site Admixtures	Specimens Cast	Specimen Size	Sample Type	
50741	16	9227 62315773	20.00 / 20	Batched: 08:19 MDT Arrived: 08:45 MDT Empty: 09:22 MDT	63	Slump: 4 in. Spec: 1 - 4	Result: 5.5 Spec: 5 - 8	144.8	67	59	None			FT	



A. G. WASSENAAR, INC.

Field Services  
3211 South Zuni Street  
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Phone: (303) 759-8100

# Concrete Placement Summary

Report #: CPS-000013  
Report Date: 10/27/2021

**Client:**

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

**Project:**

153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

<b>Placement Date:</b> 09/23/21		<b>Placement Location:</b> Curb and Gutter				<b>Placement Method:</b> Chute				<b>Technician:</b> Teel, Treven				
<b>Weather:</b> Clear		<b>Location Details:</b> 15' North From Median Of South Peoria Street and East Belford Avenue. 12 of 55 yards				<b>Mix Design:</b> 9456738				<b>Specified Strength (psi):</b> 4500				
<b>Contractor:</b> Three Sons Construction						<b>Supplier:</b> Aggregate Industries								
Sample	Set	Truck # Ticket #	Load / Cume Vol (yd³)	Times	Placement Time (min)	Consistency	Air Content (%)	Unit Weight (lb/ft³)	Concrete Temp (F)	Air Temp (F)	On-Site Admixtures	Specimens Cast	Specimen Size	Sample Type
50797	17	160 62315857	12.00 / 12	Batched: 07:35 MDT Arrived: 08:05 MDT Empty: 08:32 MDT	57	Slump: 4-1/2 in. Spec: 1 - 4	Result: 7.9 Spec: 5 - 8	143.2	64	68	None			FT



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# Concrete Placement Summary

Report #: CPS-000017  
Report Date: 11/12/2021

**Client:**

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

**Project:**

153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

<b>Placement Date:</b> 10/26/21	<b>Placement Location:</b> Pavement	<b>Placement Method:</b> Chute	<b>Technician:</b> Bierbower, Bryce
<b>Weather:</b> Cloudy	<b>Location Details:</b> Peoria Street. Northbound Lane. 150' south of Southeast corner of intersection at Peoria and Belford Avenue.	<b>Mix Design:</b> 9456738	<b>Specified Strength (psi):</b> 4500
<b>Contractor:</b> 3 sons	<b>Supplier:</b> Aggregate Industries		

Sample	Set	Truck # Ticket #	Load / Cume Vol (yd³)	Times	Placement Time (min)	Consistency	Air Content (%)	Unit Weight (lb/ft³)	Concrete Temp (F)	Air Temp (F)	On-Site Admixtures	Specimens Cast	Specimen Size	Sample Type
52359	29	9232 62317742	10.00 / 10	Batched: 08:15 MDT		Slump: 5 in.	Result: 5.4	140.7	75	36	None			FT
52358	28	9232 62317740	10.00 / 20	Batched: 07:44 MDT Arrived: 08:10 MDT		Slump: 5 in. Spec: 1 - 4	Result: 5.1 Spec: 5 - 8	141.0	74	36	None			FT



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Englewood, CO 80110  
Phone: (303) 759-8100

# Concrete Placement Summary

Report #: CPS-000018  
Report Date: 11/12/2021

## Client:

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

## Project:

153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

<b>Placement Date:</b> 10/27/21	<b>Placement Location:</b> Pavement	<b>Placement Method:</b> Chute	<b>Technician:</b> Bierbower, Bryce
<b>Weather:</b> Cloudy	<b>Location Details:</b> Peoria Street. Northbound Lane. 50' North of Northeast corner of intersection at Peoria and Belford Avenue.	<b>Mix Design:</b> 9456738	<b>Specified Strength (psi):</b> 4500
<b>Contractor:</b> 3 sons	<b>Supplier:</b> Aggregate Industries		

Sample	Set	Truck # Ticket #	Load / Cume Vol (yd³)	Times	Placement Time (min)	Consistency	Air Content (%)	Unit Weight (lb/ft³)	Concrete Temp (F)	Air Temp (F)	On-Site Admixtures	Specimens Cast	Specimen Size	Sample Type
52362	31	9237 62317840	11.00 / 11	Batched: 09:47 MDT Arrived: 10:07 MDT		Slump: 5 in.	Result: 5.1	141.7	74		None			FT
52361	30	9104 62317839	11.00 / 22	Batched: 09:42 MDT Arrived: 10:10 MDT		Slump: 5 in. Spec: 1 - 4	Result: 5.6 Spec: 5 - 8	140.6	77	39	None			FT



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Phone: (303) 759-8100

# Concrete Placement Summary

Report #: CPS-000019  
Report Date: 11/12/2021

**Client:**

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

**Project:**

153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

<b>Placement Date:</b> 10/28/21	<b>Placement Location:</b> Pavement	<b>Placement Method:</b> Pump	<b>Technician:</b> Bierbower, Bryce
<b>Weather:</b> Cloudy	<b>Location Details:</b> Peoria Street. Northbound Lane. Center of intersection at Peoria and Belford Avenue.	<b>Mix Design:</b> 9456738	<b>Specified Strength (psi):</b> 4500
<b>Contractor:</b> 3 sons	<b>Supplier:</b> Aggregate Industries		

Sample	Set	Truck # Ticket #	Load / Cume Vol (yd <sup>3</sup> )	Times	Placement Time (min)	Consistency	Air Content (%)	Unit Weight (lb/ft <sup>3</sup> )	Concrete Temp (F)	Air Temp (F)	On-Site Admixtures	Specimens Cast	Specimen Size	Sample Type
52366	32	169 62317919	11.00 / 11	Batched: 07:47 MDT Arrived: 08:20 MDT		Slump: 5 in. Spec: 1 - 4	Result: 5.6 Spec: 5 - 8	140.6	74	40	None			FT
52368	33	136 62317930	11.00 / 22	Batched: 08:20 MDT Arrived: 08:45 MDT		Slump: 5 in.	Result: 5.3	141.0	74		None			FT



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# Concrete Placement Summary

Report #: CPS-000020  
Report Date: 11/12/2021

**Client:**

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

**Project:**

153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

<b>Placement Date:</b> 10/29/21	<b>Placement Location:</b> Pavement	<b>Placement Method:</b> Pump	<b>Technician:</b> Bierbower, Bryce
<b>Weather:</b> Cloudy	<b>Location Details:</b> Belford Avenue. Westbound Lane. 50' South of Northeast corner of intersection at Peoria and Belford Avenue.	<b>Mix Design:</b> 9456738	<b>Specified Strength (psi):</b> 4500
<b>Contractor:</b> 3 sons	<b>Supplier:</b> Aggregate Industries		

Sample	Set	Truck # Ticket #	Load / Cume Vol (yd³)	Times	Placement Time (min)	Consistency	Air Content (%)	Unit Weight (lb/ft³)	Concrete Temp (F)	Air Temp (F)	On-Site Admixtures	Specimens Cast	Specimen Size	Sample Type
52372	34	9250 62318023	11.00 / 11	Batched: 08:03 MDT Arrived: 08:30 MDT		Slump: 5 in. Spec: 1 - 4	Result: 5.2 Spec: 5 - 8	140.1	70	36	None			FT
52374	35	9236 62318032	10.00 / 21	Batched: 09:02 MDT Arrived: 09:20 MDT		Slump: 5 in.	Result: 5.4	140.7	72	39	None			FT



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# Concrete Placement Summary

Report #: CPS-000021  
Report Date: 11/12/2021

Client:  
Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

Project:  
153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

<b>Placement Date:</b> 11/01/21	<b>Placement Location:</b> Pavement	<b>Placement Method:</b> Pump	<b>Technician:</b> Bierbower, Bryce
<b>Weather:</b> Cloudy	<b>Location Details:</b> Belford Avenue. Eastbound Lane. 50' South of Southeast corner of intersection at Peoria and Belford Avenue.	<b>Mix Design:</b> 9456738	<b>Specified Strength (psi):</b> 4500
<b>Contractor:</b> 3 sons	<b>Supplier:</b> Aggregate Industries		

Sample	Set	Truck # Ticket #	Load / Cume Vol (yd³)	Times	Placement Time (min)	Consistency	Air Content (%)	Unit Weight (lb/ft³)	Concrete Temp (F)	Air Temp (F)	On-Site Admixtures	Specimens Cast	Specimen Size	Sample Type
52378	36	9220 62318151	10.00 / 10	Batched: 08:14 MDT Arrived: 08:33 MDT		Slump: 5 in. Spec: 1 - 4	Result: 5.6 Spec: 5 - 8	140.0	71	39	None			FT



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Phone: (303) 759-8100

# Concrete Placement Summary

Report #: CPS-000022  
Report Date: 11/12/2021

## Client:

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

## Project:

153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

<b>Placement Date:</b> 11/01/21		<b>Placement Location:</b> Pavement			<b>Placement Method:</b> Pump			<b>Technician:</b> Bierbower, Bryce						
<b>Weather:</b> Cloudy		<b>Location Details:</b> Belford Avenue. Eastbound Lane. 50' South of Southeast corner of intersection at Peoria and Belford Avenue.			<b>Mix Design:</b> 9456738			<b>Specified Strength (psi):</b> 4500						
<b>Contractor:</b> 3 sons		<b>Supplier:</b> Aggregate Industries												
Sample	Set	Truck # Ticket #	Load / Cume Vol (yd <sup>3</sup> )	Times	Placement Time (min)	Consistency	Air Content (%)	Unit Weight (lb/ft <sup>3</sup> )	Concrete Temp (F)	Air Temp (F)	On-Site Admixtures	Specimens Cast	Specimen Size	Sample Type
52381	37	9262 62318154	10.00 / 10	Batched: 08:45 MDT Arrived: 09:20 MDT		Slump: 5 in. Spec: 1 - 4	Result: 5.6 Spec: 5 - 8	140.1	71	40	None			FT



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Phone: (303) 759-8100

# Concrete Placement Summary

Report #: CPS-000023  
Report Date: 11/12/2021

**Client:**

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

**Project:**

153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

<b>Placement Date:</b> 11/02/21	<b>Placement Location:</b> Pavement	<b>Placement Method:</b> Pump	<b>Technician:</b> Bierbower, Bryce
<b>Weather:</b> Cloudy	<b>Location Details:</b> Belford Avenue. Eastbound Lane. 150' South of Southeast corner of intersection at Peoria and Belford Avenue.	<b>Mix Design:</b> 9456738	<b>Specified Strength (psi):</b> 4500
<b>Contractor:</b> 3 sons		<b>Supplier:</b> Aggregate Industries	

Sample	Set	Truck # Ticket #	Load / Cume Vol (yd³)	Times	Placement Time (min)	Consistency	Air Content (%)	Unit Weight (lb/ft³)	Concrete Temp (F)	Air Temp (F)	On-Site Admixtures	Specimens Cast	Specimen Size	Sample Type
52386	40	9220 62318213	11.00 / 11	Batched: 07:47 MDT Arrived: 08:05 MDT		Slump: 5 in. Spec: 1 - 4	Result: 5.3 Spec: 5 - 8	140.8	72	37	None			FT



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# Concrete Placement Summary

Report #: CPS-000024  
Report Date: 11/23/2021

**Client:**

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

**Project:**

153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

<b>Placement Date:</b> 11/03/21	<b>Placement Location:</b> Pavement	<b>Placement Method:</b> Pump	<b>Technician:</b> Eisenberg, Alexander
<b>Weather:</b>	<b>Location Details:</b> Belford Ave, 50' East of South Peoria Street. 22 of 135 yards	<b>Mix Design:</b> 9456738	<b>Specified Strength (psi):</b> 4500
<b>Contractor:</b> George - 3 sons		<b>Supplier:</b> Aggregate Industries	

Sample	Set	Truck # Ticket #	Load / Cume Vol (yd³)	Times	Placement Time (min)	Consistency	Air Content (%)	Unit Weight (lb/ft³)	Concrete Temp (F)	Air Temp (F)	On-Site Admixtures	Specimens Cast	Specimen Size	Sample Type
52382	38	142 62318282	12.00 / 12	Batched: 08:33 MDT Arrived: 09:00 MDT		Slump: 5 in. Spec: 1 - 4	Result: 5.9 Spec: 5 - 8	142.3	79	44	None			FT



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Field Services  
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Englewood, CO 80110  
Phone: (303) 759-8100

# Concrete Placement Summary

Report #: CPS-000025  
Report Date: 11/29/2021

Client:  
Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

Project:  
153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

<b>Placement Date:</b> 10/11/21	<b>Placement Location:</b> Pavement	<b>Placement Method:</b> Chute	<b>Technician:</b> Carpio, Anias
<b>Weather:</b>	<b>Location Details:</b> South Peoria Street, north bound lane 1, 170' from Belford Avenue	<b>Mix Design:</b> 9456738	<b>Specified Strength (psi):</b> 4500
<b>Contractor:</b> Three Sons Construction		<b>Supplier:</b> Aggregate Industries	

Sample	Set	Truck # Ticket #	Load / Cume Vol (yd³)	Times	Placement Time (min)	Consistency	Air Content (%)	Unit Weight (lb/ft³)	Concrete Temp (F)	Air Temp (F)	On-Site Admixtures	Specimens Cast	Specimen Size	Sample Type
51443	23					Slump: 5 in. Spec: 1 - 4	Result: 7.0 Spec: 5 - 8	141.0	72	60	None			FT
51444	24					Slump: 5 in. Spec: 1 - 4	Result: 7.2 Spec: 5 - 8	141.8	70	75	None			FT



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# Concrete Placement Summary

Report #: CPS-000026  
Report Date: 11/29/2021

Client:  
Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

Project:  
153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

<b>Placement Date:</b> 11/03/21		<b>Placement Location:</b> Pavement			<b>Placement Method:</b> Chute			<b>Technician:</b> Eisenberg, Alexander						
<b>Weather:</b>		<b>Location Details:</b> Belford Ave, 50' East of S. Peoria Street			<b>Mix Design:</b> 9456738			<b>Specified Strength (psi):</b> 4500						
<b>Contractor:</b> Three Sons		<b>Supplier:</b> Aggregate Industries												
Sample	Set	Truck # Ticket #	Load / Cume Vol (yd <sup>3</sup> )	Times	Placement Time (min)	Consistency	Air Content (%)	Unit Weight (lb/ft <sup>3</sup> )	Concrete Temp (F)	Air Temp (F)	On-Site Admixtures	Specimens Cast	Specimen Size	Sample Type
52383	39	9241 62318276	11.00 / 11	Batched: 08:33 MDT Arrived: 09:20 MDT		Slump: 5 in. Spec: 1 - 4	Result: 5.5 Spec: 5 - 8	141.9	80		None			FT



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# Concrete Placement Summary

Report #: CPS-000028  
Report Date: 01/05/2022

**Client:**

Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

**Project:**

153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

<b>Placement Date:</b> 12/03/21		<b>Placement Location:</b> Pavement				<b>Placement Method:</b> Chute				<b>Technician:</b> Eisenberg, Alexander				
<b>Weather:</b>		<b>Location Details:</b> South Peoria Street, 50' north of Belford Ave				<b>Mix Design:</b> 9456738				<b>Specified Strength (psi):</b> 4500				
<b>Contractor:</b> 3sons						<b>Supplier:</b> Aggregate Industries								
Sample	Set	Truck # Ticket #	Load / Cume Vol (yd³)	Times	Placement Time (min)	Consistency	Air Content (%)	Unit Weight (lb/ft³)	Concrete Temp (F)	Air Temp (F)	On-Site Admixtures	Specimens Cast	Specimen Size	Sample Type
53500	42	115 62319745	10.00 / 10	Batched: 10:07 MST		Slump: 3-1/2 in.	Result: 7.1	142.7	81		None			FT

<b>Placement Date:</b> 12/03/21		<b>Placement Location:</b> Median				<b>Placement Method:</b> Chute				<b>Technician:</b> Eisenberg, Alexander				
<b>Weather:</b>		<b>Location Details:</b> South Peoria Street, 25' south of Belford Ave				<b>Mix Design:</b> 9456738				<b>Specified Strength (psi):</b> 4500				
<b>Contractor:</b> 3sons						<b>Supplier:</b> Aggregate Industries								
Sample	Set	Truck # Ticket #	Load / Cume Vol (yd³)	Times	Placement Time (min)	Consistency	Air Content (%)	Unit Weight (lb/ft³)	Concrete Temp (F)	Air Temp (F)	On-Site Admixtures	Specimens Cast	Specimen Size	Sample Type
53501	43	9262 86208520	10.00 / 10	Batched: 11:32 MST		Slump: 3 in.	Result: 6.0	140.7	88		None			FT



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# Concrete Placement Summary

Report #: CPS-000034  
Report Date: 01/21/2022

Client:  
Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

Project:  
153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

<b>Placement Date:</b> 12/17/21		<b>Placement Location:</b> Pavement			<b>Placement Method:</b> Chute			<b>Technician:</b> Bierbower, Bryce						
<b>Weather:</b> Sunny		<b>Location Details:</b> 20' South of intersection at Peoria street and Belford Avenue.			<b>Mix Design:</b> 9456738			<b>Specified Strength (psi):</b> 4500						
<b>Contractor:</b> Three sons					<b>Supplier:</b> Aggregate Industries									
Sample	Set	Truck # Ticket #	Load / Cume Vol (yd <sup>3</sup> )	Times	Placement Time (min)	Consistency	Air Content (%)	Unit Weight (lb/ft <sup>3</sup> )	Concrete Temp (F)	Air Temp (F)	On-Site Admixtures	Specimens Cast	Specimen Size	Sample Type
53962	49	138 62320360	10.00 / 10	Batched: 10:43 MST Arrived: 11:25 MST		Slump: 4 in. Spec: 1 - 4	Result: 5.2 Spec: 5 - 8	144.0	65	35	None			FT
<b>Placement Notes - Sample 53962:</b> 20 of 25 yards														
53964	50	9207 62320366	5.00 / 15	Batched: 11:25 MST Arrived: 12:25 MST		Slump: 4 in. Spec: 1 - 4	Result: 5.0 Spec: 5 - 8	145.2	68	40	None			FT
<b>Placement Notes - Sample 53964:</b> 25 of 25 yards														



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Field Services  
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Phone: (303) 759-8100

# Concrete Placement Summary

Report #: CPS-000037  
Report Date: 04/08/2022

Client:  
Belford North Metropolitan District  
c/o Clifton Larson Allen  
8390 East Crescent Parkway, Suite 300  
Greenwood Village, CO 80111

Project:  
153733  
Compark Village South, Filing 1 Infrastructure  
Peoria and Belford  
Parker, CO 00000

<b>Placement Date:</b> 03/24/22		<b>Placement Location:</b> Sidewalk			<b>Placement Method:</b> Chute			<b>Technician:</b> Classen, AJ						
<b>Weather:</b>		<b>Location Details:</b> Belford Avenue, 100 feet east of Peoria Street, westbound lane.			<b>Mix Design:</b> 7456120			<b>Specified Strength (psi):</b> 4500						
<b>Contractor:</b> 3 Sons					<b>Supplier:</b> Aggregate Industries									
Sample	Set	Truck # Ticket #	Load / Cume Vol (yd <sup>3</sup> )	Times	Placement Time (min)	Consistency	Air Content (%)	Unit Weight (lb/ft <sup>3</sup> )	Concrete Temp (F)	Air Temp (F)	On-Site Admixtures	Specimens Cast	Specimen Size	Sample Type
55560	61	9236 62323718	10.00 / 10	Batched: 09:22 MDT Arrived: 09:40 MDT		Slump: 4 in. Spec: 1 - 4	Result: 6.3 Spec: 5 - 8	137.2	80	52	None			FT
<b>Placement Notes - Sample 55560:</b> 10 of 20 yards														

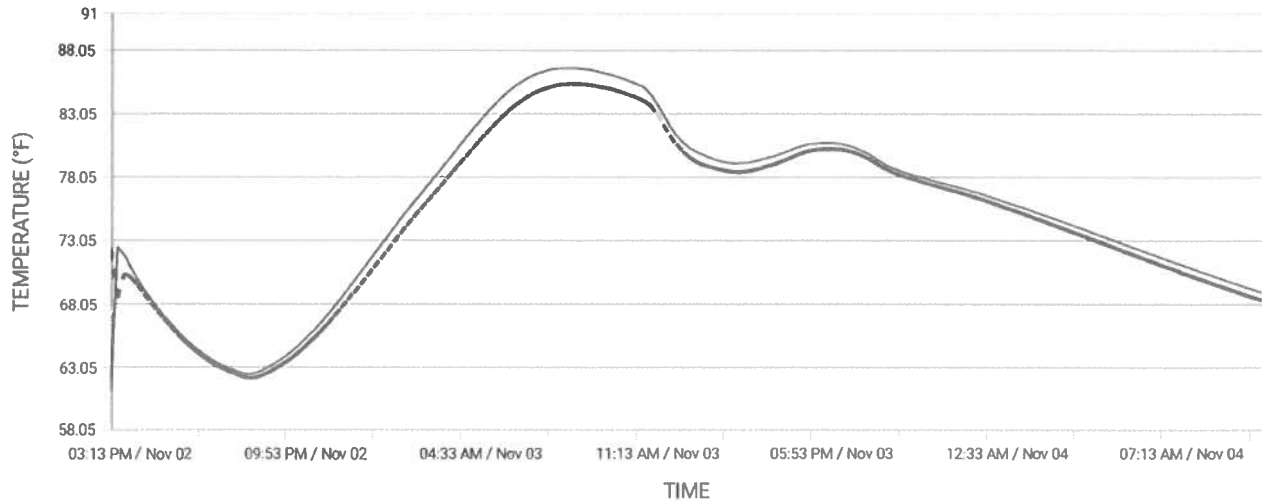
<b>Placement Date:</b> 03/24/22		<b>Placement Location:</b> Sidewalk			<b>Placement Method:</b> Chute			<b>Technician:</b> Classen, AJ						
<b>Weather:</b>		<b>Location Details:</b> Belford Avenue, 20 feet east of Peoria Street, eastbound lane.			<b>Mix Design:</b> 7456120			<b>Specified Strength (psi):</b> 4500						
<b>Contractor:</b> 3 Sons					<b>Supplier:</b> Aggregate Industries									
Sample	Set	Truck # Ticket #	Load / Cume Vol (yd <sup>3</sup> )	Times	Placement Time (min)	Consistency	Air Content (%)	Unit Weight (lb/ft <sup>3</sup> )	Concrete Temp (F)	Air Temp (F)	On-Site Admixtures	Specimens Cast	Specimen Size	Sample Type
55561	62	9221 62323738	2.00 / 2	Batched: 11:25 MDT Arrived: 11:43 MDT		Slump: 3 in. Spec: 1 - 4	Result: 5.0 Spec: 5 - 8	140.0	82	55	None			FT
<b>Placement Notes - Sample 55561:</b> 2 of 22 yards														

DESCRIPTION

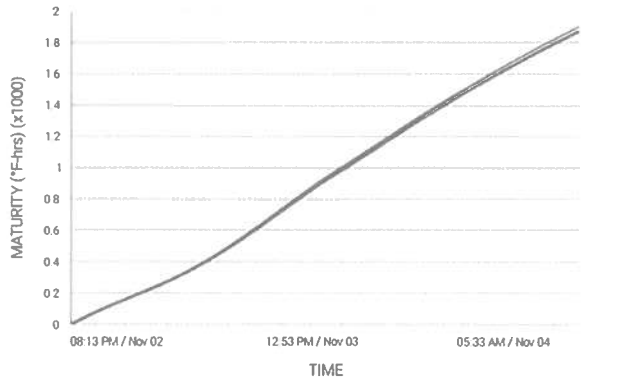
<b>Project Name:</b>	Compark South 153733
<b>Section Name:</b>	Belford Avenue, westbound, 150' east of Peoria Street.
<b>Sensor Name:</b>	Belford Avenue, westbound, 150 east of Peoria st.
<b>Location:</b>	-
<b>Tagged By:</b>	Bbierbower
<b>Pouring Time:</b>	2021-11-02 11:58 AM
<b>Mix ID:</b>	9456738
<b>Maturity Method:</b>	Temperature Time Factor
<b>Datum:</b>	32 °F
<b>Calibration Coefficient:</b>	a = -9609.10 b = 4370.92
<b>Comments:</b>	-

TEST RESULTS	Cable	Body
<b>Max Temperature:</b>	86.7 °F	85.5 °F
<b>Min Temperature:</b>	61.1 °F	62.2 °F
<b>Maturity Index:</b>	1904 °F-hrs	1874 °F-hrs
<b>Strength:</b>	4726 psi	4696 psi

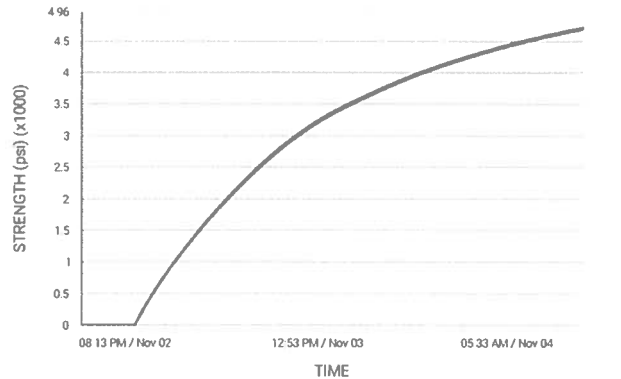
TEMPERATURE



MATURITY



STRENGTH



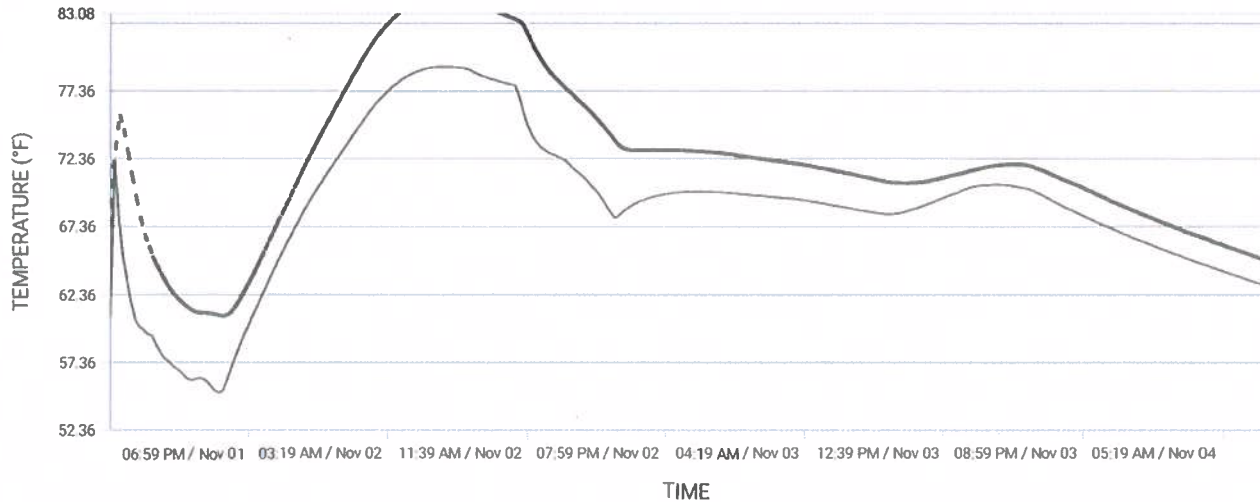
DESCRIPTION

Project Name:	Compark South 153733
Section Name:	Belford Avenue, westbound, 25' east of Peoria
Sensor Name:	Belford 1
Location:	-
Tagged By:	thorntonk
Pouring Time:	2021-11-01 10:41 AM
Mix ID:	9456738
Maturity Method:	Temperature Time Factor
Datum:	32 °F
Calibration Coefficient:	a = -9609.10 b = 4370.92
Comments:	-

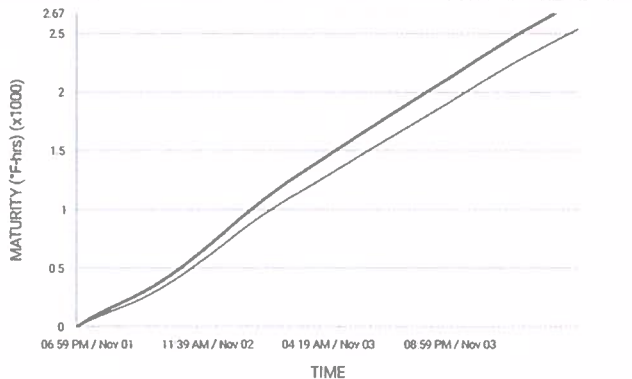


TEST RESULTS	Cable	Body
Max Temperature:	79.1 °F	84.2 °F
Min Temperature:	55.1 °F	60.8 °F
Maturity Index:	2538 °F-hrs	2779 °F-hrs
Strength:	5272 psi	5444 psi

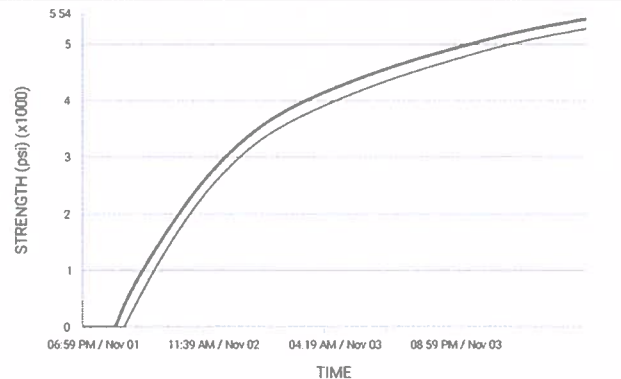
TEMPERATURE



MATURITY



STRENGTH

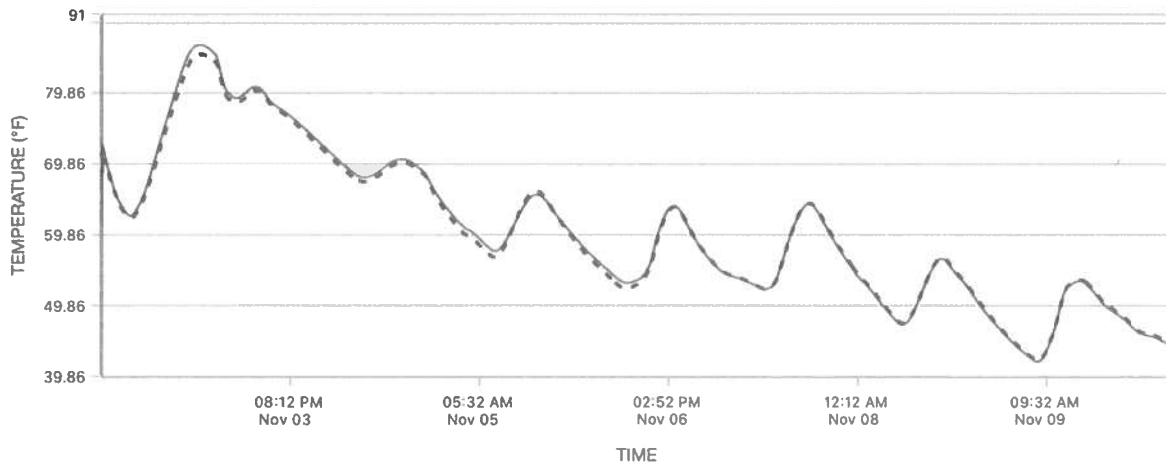


DESCRIPTION

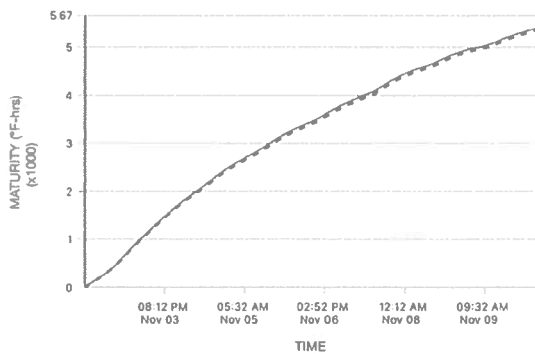
<b>Project Name:</b>	Compark South 153733
<b>Section Name:</b>	Belford Avenue, westbound, 150' east of Peoria Street.
<b>Sensor Name:</b>	Belford Avenue, westbound, 150 east of Peoria st.
<b>Location:</b>	-
<b>Tagged By:</b>	Bbierbower
<b>Pouring Time:</b>	2021-11-02 10:58 AM
<b>Mix ID:</b>	9456738
<b>Maturity Method:</b>	Temperature Time Factor
<b>Datum:</b>	32 °F
<b>Calibration Coefficient:</b>	a = -9609.10 b = 4370.92
<b>Comments:</b>	-

TEST RESULTS	Cable	Body
<b>Max Temperature:</b>	86.7 °F	85.5 °F
<b>Min Temperature:</b>	42.0 °F	42.1 °F
<b>Maturity Index:</b>	5397 °F-hrs	5356 °F-hrs
<b>Strength:</b>	6704 psi	6689 psi

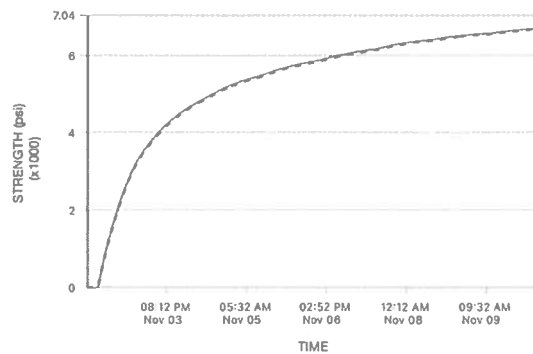
TEMPERATURE



MATURITY



STRENGTH



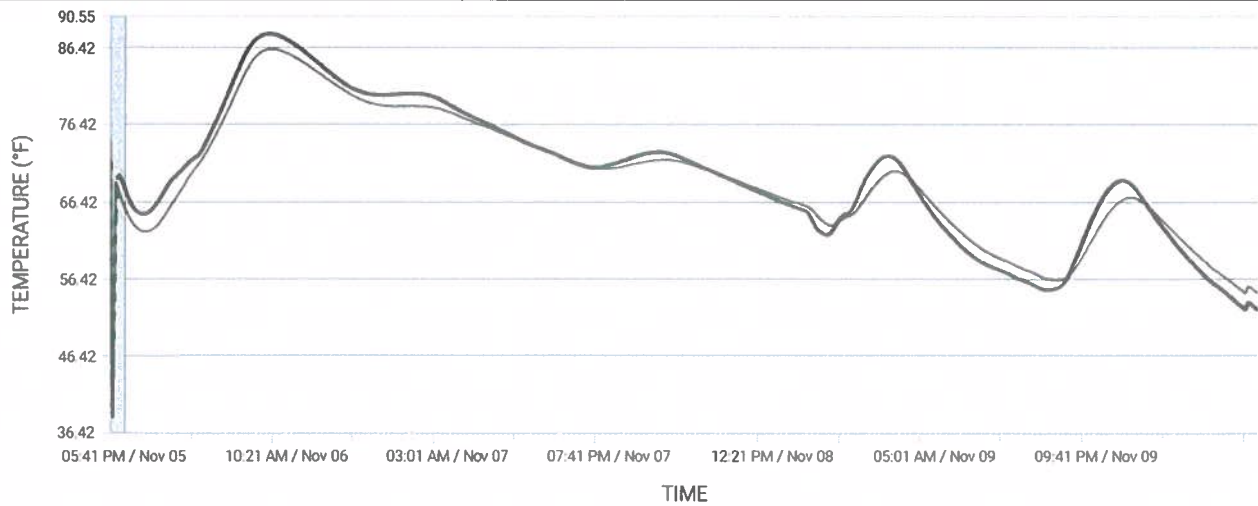
DESCRIPTION

Project Name:	Compark South 153733
Section Name:	Belford 3
Sensor Name:	Belford 3
Location:	-
Tagged By:	Bbierbower
Pouring Time:	2021-11-05 10:51 AM
Mix ID:	9456738
Maturity Method:	Temperature Time Factor
Datum:	32 °F
Calibration Coefficient:	a = -9609.10 b = 4370.92
Comments:	-

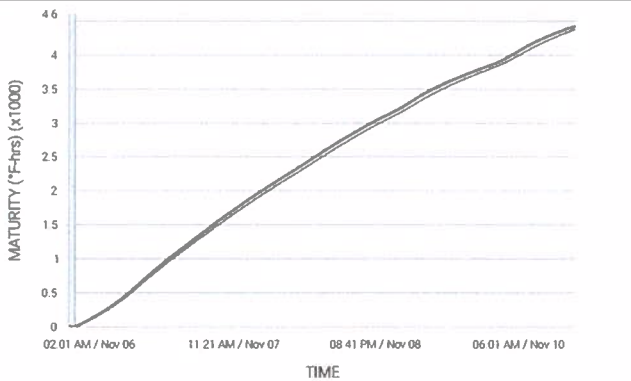


TEST RESULTS	Cable	Body
Max Temperature:	86.2 °F	88.2 °F
Min Temperature:	54.6 °F	52.4 °F
Maturity Index:	4377 °F-hrs	4425 °F-hrs
Strength:	6306 psi	6327 psi

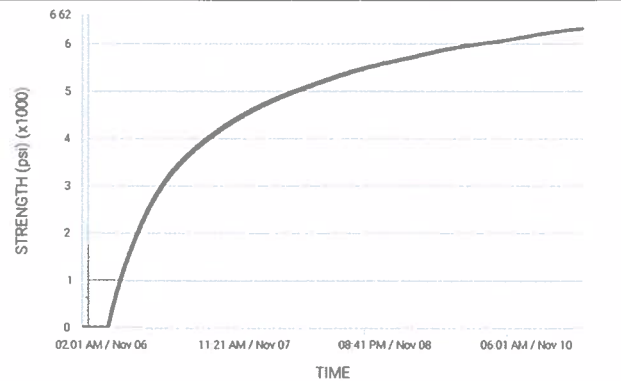
TEMPERATURE



MATURITY



STRENGTH



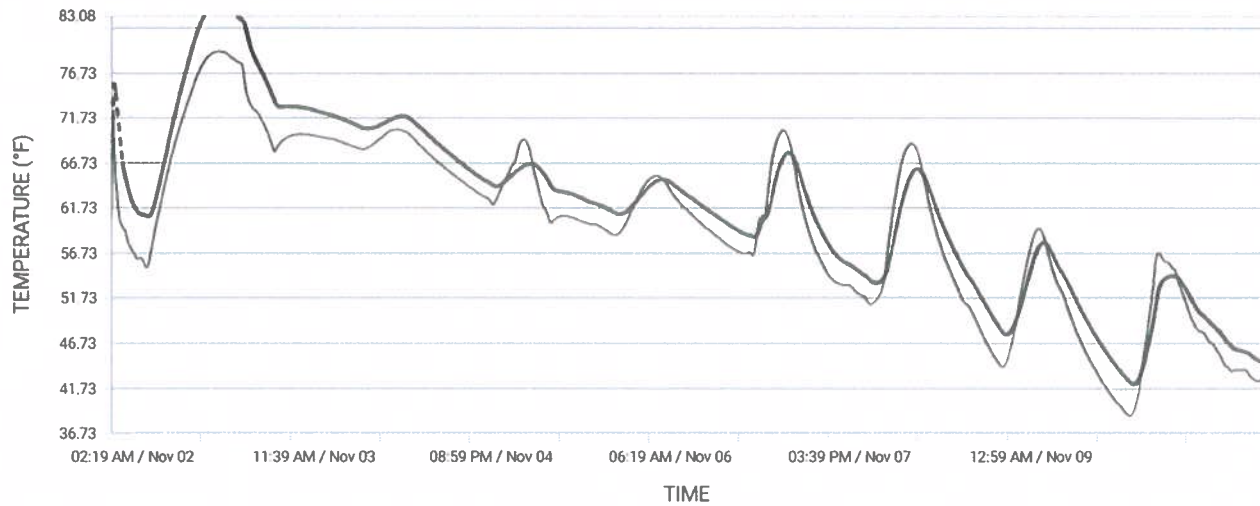
DESCRIPTION

Project Name:	Compark South 153733
Section Name:	Belford Avenue, westbound, 25' east of Peoria
Sensor Name:	Belford 1
Location:	-
Tagged By:	thorntonk
Pouring Time:	2021-11-01 9:41 AM
Mix ID:	9456738
Maturity Method:	Temperature Time Factor
Datum:	32 °F
Calibration Coefficient:	a = -9609.10 b = 4370.92
Comments:	-

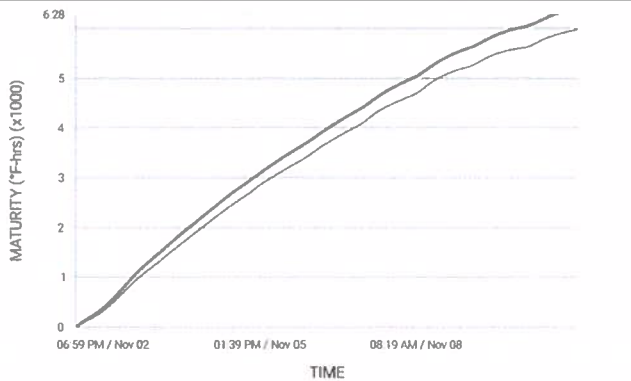


TEST RESULTS	Cable	Body
Max Temperature:	79.1 °F	84.2 °F
Min Temperature:	38.7 °F	42.2 °F
Maturity Index:	5980 °F-hrs	6420 °F-hrs
Strength:	6899 psi	7033 psi

TEMPERATURE



MATURITY



STRENGTH

