Christopher John

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Geotechnical • Environmental • Materials Engineers
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#296357

Daily Concrete Report

Project:	**Starbucks Pad A Shell**	Project ID:	**231651TA**
Location:	**8055 E. McDowell Rd.**	Permit No.	
Client:	**Haworth Corporation**	Lab No:	**GRC21**
Contractor:		Set No:	**7**
Supplier:	**Hand mix**	Plant No:	

Sample Type: Grout Prisms

Design Strength:	3000 PSI @ 28 Days	Time Of Loading:	4:59 AM
Cement Type:		Time Arrived:	6:00 AM
Mix Number:	2301112	Time Of Sampling:	6:30 AM
Truck No:	FOB	Time In Mixer:	91 min.
Ticket No:	6523	Water Added On Site:	0 gals BT 0 gals AT

Field Tests: ASTM C-1019-03 Sampling and Testing of Grout

		Tested	Specified
Slump:	(ASTM C-143)	in	in
Air Content:	(ASTM C-231)	%	%

FieldCure: H^2O
Weather: Calm\Clear
Temperature: Air: 61 °F Mix: (ASTM C-1064) 70 °F
Batch Size: 1.00 yds^3
No. Of Samples: 3 Unit Weight: (ASTM C-138) PCF

Cone Penetration: (ASTM C-780) mm
Area of Placement: Masonry in Drive-thru; 12'
Field Remarks:

Lab Tests: ASTM C-39&C-617 Sampling and Testing of Grout

Laboratory Number	Test Age Days	Test Date	Lab Tech ID	Type of Fracture	Average Diameter	Area in^2	Maximum Load		Avg.	% Design Strength
							Load Lbs.	PSI		
GRC21	7	11/13/2023	BMN	4		12.566	19560	1560	1560	52%
GRC21	28	12/4/2023	BMN	4		12.566	28870	2300	2300	77%
GRC21	90	2/4/2024	BMN	4		12.566	38440	3060	3060	102%

Type of Fracture

 Cone (1)

 Cone and Split (2)

 Cone and Shear (3)

 Shear (4)

 Columnar (5)

Lab Remarks:

Copies
1 Hand mix

Date Requested: 11/05/2023 By: CLIENT
DateSampled: 11/06/2023 By: JKR
DateSubmitted: 11/07/2023

Reviewed By: Brandon Wong

Note
1. The results included in this report apply only to the items inspected or tested.
2. This report shall not be reproduced, except in full, without the prior written approval of Speedie Associates, Inc.

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FIELD DENSITY TEST DAILY REPORT

Project: Starbucks Pad A Shell
Location: 8055 E. McDowell Rd.
Client: Haworth Corporation
Contractor: Sharp Creek Contracting
Permit:
Speedie Project No.: 231651TA
Technician: Todd Phelps/jkf
Person Notified of Results: Jerry Valentine w/ Haworth
Date: December 4, 2023
Weather: Cloudy, Breezy

Test #	Task #	(O) (S)	Elev.	Test Location	Material	Opt. Moist.	Max. Density	Wet Density	% Moist	Dry Density	% Comp.	Req'd Comp.	Test Result
1	2-I	S	FG	54'N/20'E from NWC of building	ABC-2	5.3 *	133.1 *	132.9	4.9	126.7	95.2	95.0	A
2	2-I	S	FG	38'N/17'W from NWC of building	ABC-2	5.3 *	133.1 *	137.1	6.2	129.1	97.0	95.0	A
3	2-I	S	FG	29'S/47'W from NWC of building	ABC-2	5.3 *	133.1 *	138.3	7.7	128.4	96.5	95.0	A
4	2-I	S	FG	76'S/31.5'W from NWC of building	ABC-2	5.3 *	133.1 *	135.7	6.6	127.3	95.6	95.0	A
5													
6													
7													
8													
9													
10													

Remarks:

TASK

Elevation	Test Area			Test Element		
FB - Bottom of Footing	1 Building Pad	9 Sidewalk	17 Manhole	A Foundation Over-X Backfill	I Pavement - Agg. Base Course	Q
FS - Finish Subgrade	2 Parking Lot	10 Waterline Trench	18 Retaining Wall	B Subgrade Prep	J AC Pavement-Base Lift	R
FG - Finish Grade	3 Driveway	11 Fireline Trench	19 Box Culvert	C Engineered Fill	K AC Pavement-Intermed. Lift	S
FP - Finish Pavement	4 Landscape Area	12 Sanitary Sewer Trench	20 Wall	D Structural Backfill	L AC Pavement-Surface Lift	T
FF - Finish Floor	5 Transformer Pad	13 Storm Sewer Trench	21 Valley Gutter	E Lime Stabilized Subgrade	M Pipeline/Conduit Bedding	U
SL - Spring Line	6 Roadway	14 Elec. Conduit Trench	22 Retention Tank	F Non/Low Expansion Cap	N Pipeline/Conduit Shading	V
TB - Bottom of Trench	7 Apron	15 Irrigation Trench	23	G Select Cap	O Trench Backfill	W
MB - Bottom of Manhole	8 Curb/Gutter	16 Other Trench	24	H Underslab Base Course	P	X

O - Offsite S - Site A - Approved NA - Not Approved *Rock/Moisture Corrected Value **Sand Cone Method

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FIELD DENSITY TEST DAILY REPORT

SAND CONE - A (Preliminary Field Copy)

Project:	Starbucks Pad A Shell	**Project #:**	231651TA
Location:	8055 E. McDowell Rd. Scottsdale	**Date:**	December 4, 2023
Client:	Hayworth	**Technician:**	Todd Phelps
Contractor:	Sharp Creek Contracting	**Person Notified of Results:**	Jerry Valentine w /Hayworth

Test No.	1	2	3	4
Task #	2-I			
Material	ABC-3			
(O) Offsite (S) Site	S			
Elevation	FG			
Test Location	35'N/17'West from NWC of building			
(1) Sand (g/cm³) (lb/ft³) Std.C	85.5			
(2) Total Wt. of Soil	15.6			
(3) Tare Wt. of Bucket	3.02			
(4) Wt. of Soil (2) – (3)	12.58			
(5) Initial Wt. of Sand DC	15.73			
(6) Wt. of Sand in Cone MC	3.29			
(7) Total Wt. of Sand (5) – (6)	12.44			
(8) Sand Remain	3.96			
(9) Wt. of Sand Used (7) – (8)	8.48			
(10) Wet Density (1)x(4) AC (g/cm³) (lb/ft³) (9) WD	126.8			
(11) -4 Moisture %M	6.2			
(12) Corrected Moisture	2.7			
(13) Dry Density (g/cm³) (lb/ft³) DD	123.5			
(14) Total Wt. of Rock	11.46			
(15) Tare Wt. of Bucket	3.02			
(16) Wt. of Rock (14) – (15)	8.44			
(17) % Rock (16) ÷ (4)	67			
(18) Optimum Moisture				
(19) Optimum Corrected Moisture				
(20) Proctor Density				
(21) Corrected Max. Density				
(22) % Compaction (13) ÷ (21)				
(23) Required Compaction	100			
Test Result A - Approved , NA – Not Approved				

TASK

Elevation	Test Area			Test Element	
FB – Bottom of Footing	1 Building Pad	9 Sidewalk	17 Manhole	A Foundation Over-X Backfill	I Pavement ABC
FS – Finished Subgrade	2 Parking Lot	10 Water Line Trench	18 Retaining Wall	B Subgrade Prep	J Pipe Line/Cond. Bedding
FG – Finished Grade	3 Driveway	11 Fire Line Trench	19 Box Culvert	C Engineered Fill	K Pipe Line/Cond. Shading
FP – Finished Pavement	4 Landscape Area	12 Sanitary Sewer Trench	20 Wall	D Structural Backfill	L Trench Backfill
FF – Finished Floor	5 Transformer Pad	13 Storm Sewer Trench	21 Valley Gutter	E Lime-Stabilized Subgrade	M
SL – Spring Line	6 Roadway	14 Elec. Conduit Trench	22	F Non/Low Expansion Cap	N
TB – Bottom of Trench	7 Apron	15 Irrigation Trench	23	G Select Cap	O
	8 Curb/Gutter	16 Other Trench	24	H Underslab Base Course	P

This report is a preliminary copy of density testing performed today and is subject to review/correction by a professional engineer with Speedie & Associates.