

OVERLAND PARK

K A N S A S

ABOVE AND BEYOND. BY DESIGN.

LETTER OF TRANSMITTAL

Date: July 25, 2018


To: Hamm, Inc.
609 Perry Place
Perry, KS 66073

Attention: Jerry Baker, P.E.

Project: Metcalf Avenue Improvements, 159th Street to 167th Street (TH-1027)

Submittal	Action	Copies Returned
AB-3 OP Modified – Alternate Source	Approved	1

Comments:



Tony Rome, P.E.
Senior Civil Engineer

E-mail: Jerry Baker, P.E. – Hamm, Inc.
Ryan Blosser – Hamm, Inc.
Tim Blosser – Hamm, Inc.
Steve Horton – Construction Inspector, Senior
Ben Will, P.E. – HNTB

PARTICLE SIZE DISTRIBUTION REPORT

Report Number: 14161018.0022

Service Date: 05/21/18

Report Date: 05/23/18

Task:

Terracon

3113 SW Van Buren St

Topeka, KS 66611-2466

785-267-3310

Client

Hamm Companies Inc

Attn: Ramon Gonzalez

609 Perry Place

Perry, KS 66073

Project

Hamm Companies 2016 General Account

3113 SW Van Buren

Topeka, KS 66617

Project Number: 14161018

Sample Information

Sample Type: Bulk

Sample Location: Olathe

Sample Description: AB-3

Laboratory Test Data

Test Method: AASHTO T27

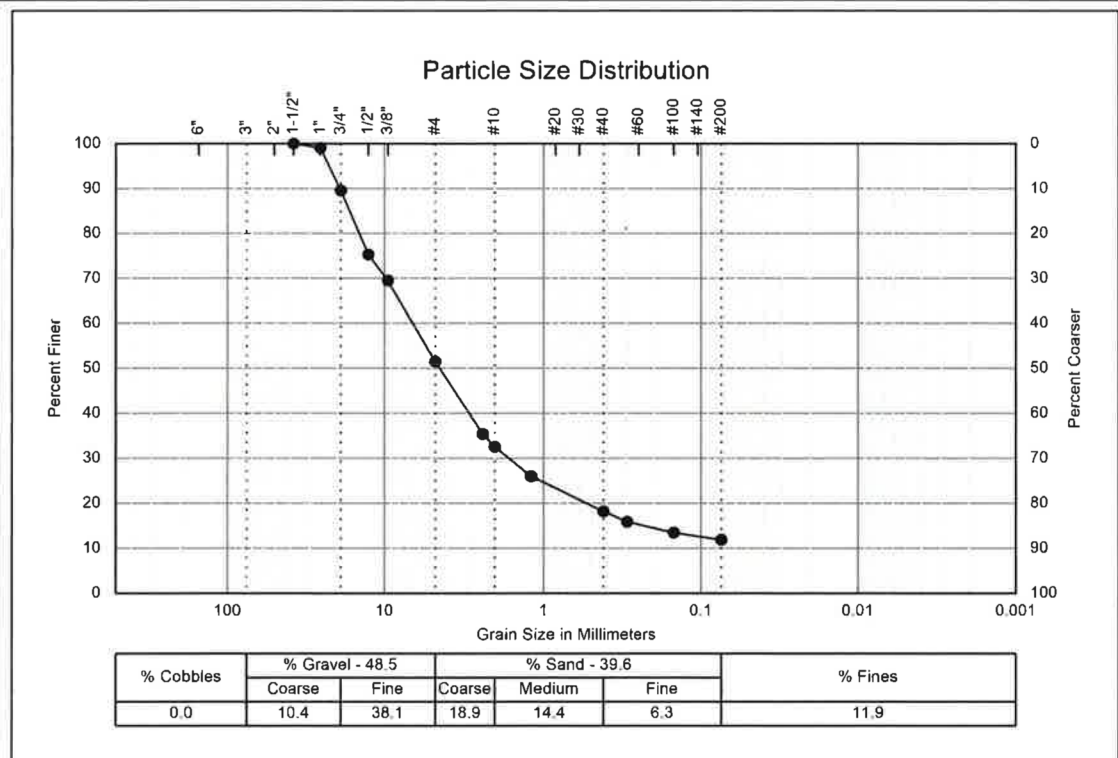
Method: NA

Atterberg Limits: LL - 18, PL - 15, PI - 3

Sample Preparation: Oven Dried

Sieving Method: Single Sieve-Set Sieving

Sieve Size	Percent Retained	Spec.*	Pass (X=Fail)
2"		0-0	
1-1/2"	0	0-5	
1"	1		
3/4"	10	5-30	
1/2"	25		
3/8"	31	20-55	
#4	49	35-60	
#8	65	45-70	
#10	67		
#16	74		
#40	82	60-84	
#50	84		
#100	87		
#200	88	80-92	



$D_{60} = 6.62$	$D_{30} = 1.62$	$D_{10} = 0.03$ (Est.)	$C_c = 13.2$	$C_u = 220.7$	FM =
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Comments:

Services: Perform sieve analysis on sample delivered by others.

Terracon Rep.: Weeks, Loretta

Reported To:

Contractor: Hamm Companies, Inc.

Report Distribution:

(1) Hamm Companies Inc, Ramon Gonzalez

(1) Hamm Companies Inc, Charlie Nadvornik

(1) Hamm Companies Inc, Greg Scott

Reviewed By:

Neill D. Dobler

Project Manager III-Technical

Test Methods:

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

PARTICLE SIZE DISTRIBUTION REPORT

Report Number: 14161018.0024

Service Date: 05/24/18

Report Date: 05/25/18

Task:

Terracon

3113 SW Van Buren St

Topeka, KS 66611-2466

785-267-3310

Client

Hamm Companies Inc

Attn: Ramon Gonzalez

609 Perry Place

Perry, KS 66073

Project

Hamm Companies 2016 General Account

3113 SW Van Buren

Topeka, KS 66617

Project Number: 14161018

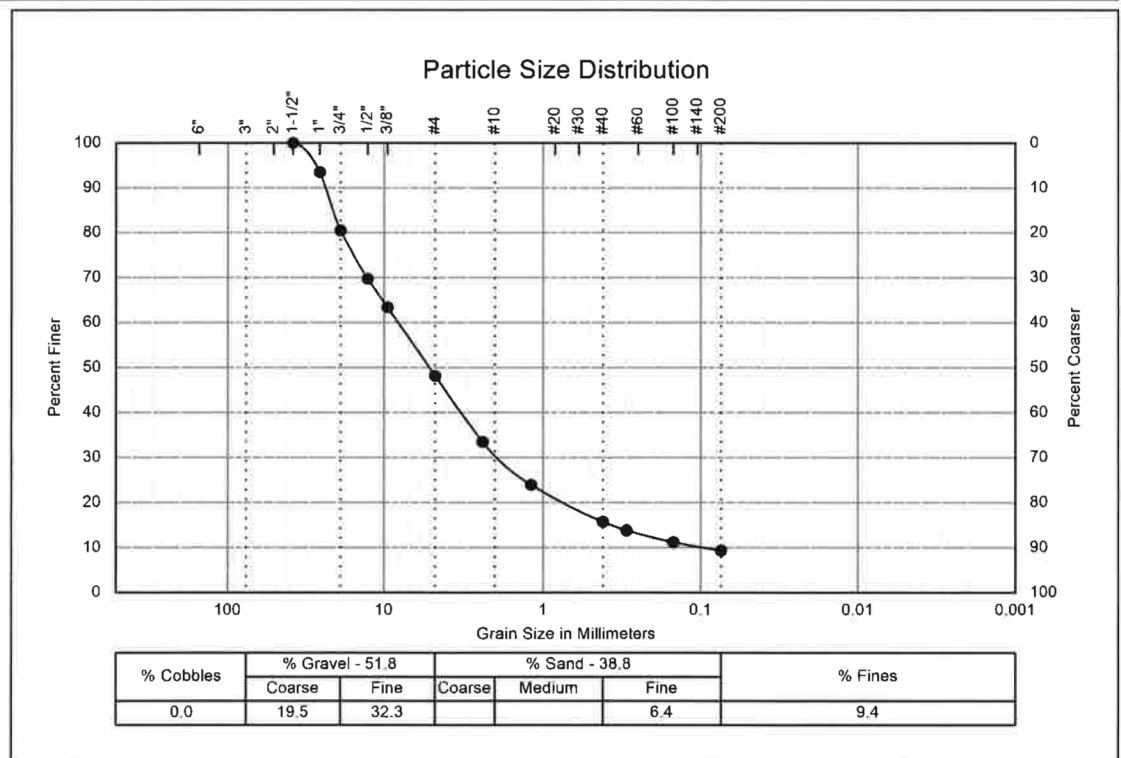
Sample Information

Sample Type: Bulk
Sample Location: Olathe
Sample Description: AB-3

Laboratory Test Data

Test Method: AASHTO T27
Method: A
Atterberg Limits: LL - 18, PL - 16, PI - 2
Sample Preparation: Oven Dried
Sieving Method: Single Sieve-Set Sieving

Sieve Size	Percent Retained	Spec.*	Pass (X=Fail)
2"			
1-1/2"	0	0-5	
1"	6		
3/4"	20	5-30	
1/2"	30		
3/8"	37	20-55	
#4	52	35-60	
#8	67	45-70	
#16	76		
#30			
#40	84	60-84	
#50	86		
#100	89		
#200	90.6	80-92	



*

$D_{60} = 8.17$	$D_{30} = 1.97$	$D_{10} = 0.10$	$C_c = 4.8$	$C_u = 81.7$	FM =
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Comments:

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PARTICLE SIZE DISTRIBUTION REPORT

Report Number: 14161018.0024
Service Date: 05/24/18
Report Date: 05/25/18
Task: Tomahawk WWTF

Terracon
3113 SW Van Buren St
Topeka, KS 66611-2466
785-267-3310

Client

Hamm Companies Inc
Attn: Ramon Gonzalez
609 Perry Place
Perry, KS 66073

Project

Hamm Companies 2016 General Account
3113 SW Van Buren
Topeka, KS 66617

Project Number: 14161018

Services: Perform sieve analysis on sample delivered by others.

Terracon Rep.: Neill D. Dobler

Reported To:

Contractor: Hamm Companies, Inc.

Report Distribution:

(1) Hamm Companies Inc, Ramon Gonzalez

(1) Hamm Companies Inc, Charlie Nadvornik

(1) Hamm Companies Inc, Greg Scott

Reviewed By:



Neill D. Dobler

Project Manager III-Technical

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