

letter of transmittal



KANSAS CITY
TESTING & ENGINEERING, LLC

DATE 2/01/18 JOB NO. C20-17-261

1308 Adams Street
Kansas City, KS 66103
Ph (913) 321-8100
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ATTN: JAKE LOVELESS

TO: GRIFFIN RILEY INVESTMENTS LLC
120 SE 30TH ST
LEE'S SUMMIT MO 64082

RE: RESIDENCES @ ECHELON

WE ARE SENDING YOU

☒ ATTACHED ☐ UNDER SEPARATE COVER ☐ THE FOLLOWING ITEMS:

<input type="checkbox"/> AGGREGATE REPORT	<input type="checkbox"/> CONCRETE REPORT	<input type="checkbox"/> PROPOSAL
<input type="checkbox"/> ASPHALT REPORT	<input type="checkbox"/> FOUNDATION REPORT	<input type="checkbox"/> SOILS REPORT
<input checked="" type="checkbox"/> AS NOTED	<input type="checkbox"/> INVOICE	<input type="checkbox"/> OTHER

COPIES	DATE	NO.	DESCRIPTION
1			SITE OBSERVATION PERFORMED 1/29 - 1/30

THESE ARE TRANSMITTED AS CHECKED BELOW:

<input type="checkbox"/> FOR CHECKING	<input type="checkbox"/> FOR REVIEW / COMMENT	<input checked="" type="checkbox"/> FOR FILES & INFO.
<input type="checkbox"/> FOR YOUR USE ON JOB	<input type="checkbox"/> APPROVED AS NOTED	
<input type="checkbox"/> AS REQUESTED	<input type="checkbox"/> APPROVED AS SUBMITTED	

REMARKS:

COPY TO:

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tjwatreas@lukedrailly.com
cbeverlin@bdc-engrs.com
thauschild@nspjarch.com
mschlicht@es-kc.com
jwilcox@lukedrailly.com
matthew.munger@cityofLS.net
srunyan@lukedrailly.com

BY:

JIM BYRNES
SR PROJ MANAGER

SITE OBSERVATION

CLIENT: GRIFFIN RILEY INVESTMENTS, LLC
ATTN: JAKE LOVELESS
120 SE 30TH STREET
LEE'S SUMMIT MO 64082

PROJECT: THE RESIDENCES @ ECHELON
MO 291 & 50
LEE'S SUMMIT, MO

SERVICES:

PAGE 1 OF 1

PROJECT NO.: R20-17-261
REPORT NO.: K22022
DATE OF SERVICE: 01/29/2018
AUTHORIZATION: JAKE LOVELESS
REPORT DATE: 01/31/2018

The contractor cut two test pits, approximately 2" deep, at two points in the subgrade for the deep fill at the northwest corner of the site. About 2 inches of frost was apparent. Soil was moist and unfrozen below that level. Contractor asked whether discing & incorporation of Class F fly ash would be appropriate under these conditions. KCTE's opinion is that this operation might be successful but that observation would be required to verify that all frost appears to be mitigated by the applied energy. At the current temperatures below freezing, the fly ash can not be expected to hydrate or stabilize the soil and would likely provide no benefit in the short term beyond adding dry material.

Technician: ANDREW WILSON, SR. ENGR. TECHNICIAN

Report Distribution:

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KANSAS CITY TESTING & ENGINEERING,



JIM BYRNES, R.G.
PROJECT MANAGER

REPORT OF IN-PLACE DENSITY

CLIENT: GRIFFIN RILEY INVESTMENTS, LLC
ATTN: JAKE LOVELESS
120 SE 30TH STREET
LEE'S SUMMIT MO 64082

PAGE 1 OF 2

PROJECT: THE RESIDENCES @ ECHELON
MO 291 & 50
LEE'S SUMMIT, MO

PROJECT NO.: R20-17-261
REPORT NO.: K22055
DATE OF SERVICE: 01/30/2018
AUTHORIZATION: JAKE LOVELESS
REPORT DATE: 01/31/2018

SERVICES: Perform in-place density and moisture content tests to determine the degree of field compaction.

PROJECT DATA

CONTRACTOR: LUKE DRAILY CONST

GAUGE: Troxler 3440

GAUGE SERIAL NO.: 15277

	DENSITY	MOISTURE
METHOD OF TEST:	ASTM D6938	ASTM D3017
SPECIFICATION:	95% Min	-1 to +3% of Opt

STANDARD COUNTS	
MOISTURE - CURRENT:	703
PREVIOUS:	712
DENSITY - CURRENT:	1491
PREVIOUS:	1478
TEST MODE: Direct Transmission	
PROBE DEPTH:	8

M/D #	TEST OF	MATERIALS	MOISTURE/DENSITY RELATIONS		REFERENCE REPORT
			OPTIMUM MOISTURE %	MAXIMUM DENSITY pcf	
1.	STANDARD PROCTOR	GRAY SILTY CLAY	21.0	100.4	K21465

REPORT OF TESTS

TEST NO	LOCATION	PROBE DEPTH	LIFT/ELEV	M/D NO	FIELD MOISTURE (%)	OPTIMUM MOISTURE (%)	FIELD DENSITY (pcf)		MAXIMUM DENSITY (pcf)	DENSITY (% max)
							WET	DRY		
1.	NORTH FILL - BASE: Center	8	9' bg	1	31.6 *	21.0	114.9	87.3	100.4	87 *
2.	East end	8	9' bg	1	24.9 *	21.0	119.7	95.8	100.4	95
3.	RETEST #1	8	9' bg	1	24.3 *	21.0	112.2	90.3	100.4	90 *
4.	West end	8	9' bg	1	27.1 *	21.0	116.2	91.4	100.4	91 *
5.	RETEST, center	8	9' bg	1	27.3 *	21.0	115.7	90.9	100.4	91 *
6.	RETEST, center	8	9' bg	1	24.0	21.0	109.2	88.1	100.4	88 *
7.	RETEST, center	8	9' bg	1	20.7	21.0	120.3	99.7	100.4	99

Report of Tests continued on page 2

PROJECT NO.: R20-17-261 GRIFFIN RILEY INVESTMENTS, LLC

DATE OF SERVICE: 01/30/2018

TEST NO	LOCATION	PROBE DEPTH	LIFT/ ELEV	M/D NO	FIELD MOISTURE (%)	OPTIMUM MOISTURE (%)	FIELD DENSITY (pcf)		MAXIMUM DENSITY (pcf)	DENSITY (% max)
							WET	DRY		
8.	RETEST, east end	8	9' bg	1	21.2	21.0	116.5	96.1	100.4	96

An asterisk (*) appears next to test results which do NOT meet the project specifications as noted above.

ADDITIONAL COMMENTS:

Technician: ANDREW WILSON, SR. ENGR. TECHNICIAN

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