letter of transmittal

KANSAS CITY TESTING & ENGINEERING, LLC

1308 Adams Street
Kansas City, KS 66103
Ph (913) 321-8100
Fax (913) 321-8181

DATE 3/15/18 JOB NO. R20-17-261

ATTN: JAKE LOVELESS

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

RE: RESIDENCES @ ECHELON

WE ARE SENDING YOU

X ATTACHED ____ UNDER SEPARATE COVER _____ THE FOLLOWING ITEMS:

___ AGGREGATE REPORT	___ CONCRETE REPORT	___ PROPOSAL
___ ASPHALT REPORT	___ FOUNDATION REPORT	___ SOILS REPORT
X AS NOTED	___ INVOICE	___ OTHER

COPIES	DATE	NO.	DESCRIPTION
1			SITE OBSERVATION PERFORMED 3/08 - 3/13

THESE ARE TRANSMITTED AS CHECKED BELOW:

___ FOR CHECKING	___ FOR REVIEW / COMMENT	X FOR FILES & INFO.
___ FOR YOUR USE ON JOB	___ APPROVED AS NOTED	
___ AS REQUESTED	___ APPROVED AS SUBMITTED	

REMARKS:

COPY TO:
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BY:

JIM BYRNES
SR PROJ MANAGER

KANSAS CITY TESTING & ENGINEERING, LLC

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1308 Adams Street
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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:

PROJECT NO.: R20-17-261
REPORT NO.: K22509
DATE OF SERVICE: 03/08/2018
AUTHORIZATION: JAKE LOVELESS
REPORT DATE: 03/12/2018

Observed footing excavations for the north half of building #4. Consulted on job requirements with jobsite personnel and City of Lee's Summit inspector. City inspector requested the footings be excavated with a larger backhoe bucket due to intermittent issues with the 3" required clearance between reinforcing steel and soil footing excavations for the grade beams. No concrete placed today pending corrections to excavation procedures.

Technician: ANDREW WILSON, SR. ENGR. TECHNICIAN

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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:

PROJECT NO.: R20-17-261
REPORT NO.: K22540
DATE OF SERVICE: 03/09/2018
AUTHORIZATION: JAKE LOVELESS
REPORT DATE: 03/13/2018

The contractor placed 4000 psi plain concrete (3500 psi plain required) for the wall footings for building #4 from A.P-B.7 north, west, then south to A.A-B.1. The footing size and soil bearing capacity, as well as the placement of reinforcing steel and concrete, was in substantial compliance with the on-site plans and specifications. One set of compressive strength test specimens was cast from a sample of the concrete placed.

Technician: ANDREW WILSON, SR. ENGR. TECHNICIAN

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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:

PROJECT NO.: R20-17-261
REPORT NO.: K22573
DATE OF SERVICE: 03/12/2018
AUTHORIZATION: JAKE LOVELESS
REPORT DATE: 03/13/2018

The contractor placed 4000 psi plain concrete (3500 plain required) for the wall footing for building #4 from A.P-B.7 south to A.A-B.7. The footing size and soil bearing capacity, as well as the placement of reinforcing steel and concrete, was in substantial compliance with the on-site plans and specifications. One set of compressive strength test specimens was cast from a sample of the concrete placed.

Soil stockpiles at the nearby Stoney Creek project were evaluated as a source of imported fill for the project. Test pits excavated in the piles with a small excavator indicated soil contains organics/trash and other rubble.

Technician: ANDREW WILSON, SR. ENGR. TECHNICIAN

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REPORT OF IN-PLACE DENSITY

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

PROJECT NO.: R20-17-261
REPORT NO.: K22587
DATE OF SERVICE: 03/13/2018
AUTHORIZATION: JAKE LOVELESS
REPORT DATE: 03/15/2018

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

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

PROJECT DATA

CONTRACTOR: LUKE DRAILY CONST

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

GAUGE: Troxler 3440
GAUGE SERIAL NO.: 15277
STANDARD COUNTS
MOISTURE - CURRENT: 714 PREVIOUS: 716
DENSITY - CURRENT: 1494 PREVIOUS: 1487
TEST MODE: Direct Transmission
PROBE DEPTH: 8

M/D #	TEST OF	MATERIALS	MOISTURE/DENSITY RELATIONS: OPTIMUM MOISTURE %	MOISTURE/DENSITY RELATIONS: MAXIMUM DENSITY pcf	REFERENCE REPORT
1.	STANDARD PROCTOR	GRAY SILTY CLAY	21.0	100.4	K21465
2.	STANDARD PROCTOR	YELLOWISH BROWN SILTY CLAY	19.0	102.8	K21468
3.	STANDARD PROCTOR	GRAY-BROWN SILTY CLAY	19.4	105.4	K21469

REPORT OF TESTS

TEST NO	LOCATION	PROBE DEPTH	LIFT/ ELEV	M/D NO	FIELD MOISTURE (%)	OPTIMUM MOISTURE (%)	FIELD DENSITY (pcf) WET	FIELD DENSITY (pcf) DRY	MAXIMUM DENSITY (pcf)	DENSITY (% max)
1.	Storm sewer, 60' E of structure 8-2	8	4' bg	1	21.8	21.0	121.9	100.1	100.4	100
2.	Storm sewer, 80' E of structure 8-2	8	2' bg	2	20.4	19.0	121.7	101.1	102.8	98
3.	Storm sewer, 80' E of structure 8-2	8	1.5' bg	3	21.7	19.4	126.3	103.8	105.4	98
4.	Storm sewer, 40' E of structure 8-2	8	1' bg	1	23.3	21.0	122.1	99.0	100.4	99
5.	Storm sewer, 40' E of structure 8-2	8	on soil gr	1	22.7	21.0	121.4	98.9	100.4	99

Report of Tests continued on page 2

KANSAS CITY TESTING & ENGINEERING, LLC

REPORT OF TESTS (continued)

REPORT NO.: K22587

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

DATE OF SERVICE: 03/13/2018

TEST NO	LOCATION	PROBE DEPTH	LIFT/ ELEV	M/D NO	FIELD MOISTURE (%)	OPTIMUM MOISTURE (%)	FIELD DENSITY (pcf) WET	FIELD DENSITY (pcf) DRY	MAXIMUM DENSITY (pcf)	DENSITY (% max)

Test results on this report meet project specifications as noted on page 1.

ADDITIONAL COMMENTS:

The contractor placed 4000 psi concrete (3500 psi plain required) for the wall footing for building #4 from A.F-B.7 south then west to A.A-B.3. The footing size and soil bearing capacity, as well as the placement of reinforcing steel and concrete, was in substantial compliance with the on-site plans and specifications. One set of compressive strength test specimens was cast from a sample of the concrete placed.

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