

PO 185760
DMS
REC 525603

AGENDA

VISIT OUR WEBSITE AT:
www.rkci.com

INVOICE

INVOICE # :H013171

CONSULTANTS * ENVIRONMENTAL * FACILITIES * INFRASTRUCTURE

BILLING DATE : 1/31/2020
CLIENT : 09C04647
Fort Bend County Texas

PROJECT : AHD1913200
Various Roads in Arcola



ACH INSTRUCTIONS for RABA KISTNER, Inc.
Bank: JP Morgan Chase Bank, NA

EMAIL: ar@rkci.com

Fort Bend County Texas
P.O. Box 148
Richmond, TX 77406-0148

REMITTANCE ADDRESS:
RABA KISTNER, INC.
P.O. BOX 971037
DALLAS, TX 75397-1037

PHONE (210) 699-9090

CONSULTING SERVICES

INVOICE SUMMARY INFORMATION

Various Roads in Arcola

email invoices to: enginvoices@fortbendcountytexas.gov
PO No. 185760

FOR PROFESSIONAL SERVICES RENDERED THROUGH: 1/18/2020

DATE	REPORT / ASSIGNMENT	SERVICE	CODE	QUANTITY	RATE	UNIT	AMOUNT
12/09/2019	H19-020567	Nuclear Density	951000	11.00	10.50	/HR	115.50
	H19-020582	Equipment Rental					
	H19-020582	Technician NICET II	107000	8.00	65.00	/HR	520.00
	H19-020582	HMA - 1A					
	H19-020582	Technician NICET II	107010	3.00	97.50	/HR	292.50
	H19-020582	HMA-1A OT					
	H19-020582	Support Personnel (Word	115000	0.25	60.00	/HR	15.00
	H19-020582	Processing)					
	H19-020582	Vehicle Charge	150000	11.00	10.00	/HR	110.00
12/11/2019	H19-020634	Technician NICET II	107000	8.00	65.00	/HR	520.00
	H19-020634	HMA - 1A					
	H19-020634	Technician NICET II	107010	3.00	97.50	/HR	292.50
	H19-020634	HMA-1A OT					
	H19-020634	Support Personnel (Word	115000	0.25	60.00	/HR	15.00
	H19-020634	Processing)					
	H19-020634	Vehicle Charge	150000	11.00	10.00	/HR	110.00
	H19-020634	Nuclear Density	951000	11.00	10.50	/HR	115.50
	H19-020634	Equipment Rental					
12/12/2019	H19-020653	Technician NICET II	107000	8.00	65.00	/HR	520.00
	H19-020653	HMA - 1A					
	H19-020653	Technician NICET II	107010	3.00	97.50	/HR	292.50
	H19-020653	HMA-1A OT					
	H19-020653	Support Personnel (Word	115000	0.25	60.00	/HR	15.00
	H19-020653	Processing)					
	H19-020653	Vehicle Charge	150000	11.00	10.00	/HR	110.00
	H19-020653	Nuclear Density	951000	11.00	10.50	/HR	115.50
	H19-020653	Equipment Rental					
12/13/2019	H19-020699	Technician NICET II	107000	4.00	65.00	/HR	260.00
	H19-020699	HMA - 1A					
	H19-020699	Support Personnel (Word	115000	0.25	60.00	/HR	15.00
	H19-020699	Processing)					

* Invoices are submitted monthly and are due on receipt. * Carrying charges may be assessed on invoices unpaid beyond 30 days from billing date.
AP Feb-20
PLEASE PAY FROM THIS INVOICE.

**BILLING DATE :**

1/31/2020

PROJECT :

AHD1913200 09C04647
 Various Roads in Arcola
 Fort Bend County Texas

INVOICE # :H013171

DATE	REPORT / ASSIGNMENT	SERVICE	CODE	QUANTITY	RATE	UNIT	AMOUNT
12/13/2019	H19-020699	Vehicle Charge	150000	4.00	10.00	/HR	40.00
12/17/2019	H19-020823	Technician NICET II HMA - 1A	107000	8.00	65.00	/HR	520.00
	H19-020823	Technician NICET II HMA-1A OT	107010	2.00	97.50	/HR	195.00
	H19-020823	Support Personnel (Word Processing)	115000	0.25	60.00	/HR	15.00
	H19-020823	Vehicle Charge	150000	10.00	10.00	/HR	100.00
	H19-020823	Nuclear Density Equipment Rental	951000	10.00	10.50	/HR	105.00
	H19-020827	Liquid and Plastic Limits	901000	1.00	53.00	/EA	53.00
	H19-020827	Percent Passing #200 Sieve	906000	1.00	50.00	/EA	50.00
	H19-020827	OMD Standard Compaction	923000	1.00	204.00	/EA	204.00
12/19/2019	H19-020909	Nuclear Density Equipment Rental	951000	10.00	10.50	/HR	105.00
	H19-020915	Technician NICET II HMA - 1A	107000	8.00	65.00	/HR	520.00
	H19-020915	Technician NICET II HMA-1A OT	107010	2.50	97.50	/HR	243.75
	H19-020915	Support Personnel (Word Processing)	115000	0.25	60.00	/HR	15.00
	H19-020915	Vehicle Charge	150000	10.50	10.00	/HR	105.00
12/20/2019	H19-020934	Technician NICET II HMA - 1A	107000	8.00	65.00	/HR	520.00
	H19-020934	Technician NICET II HMA-1A OT	107010	2.00	97.50	/HR	195.00
	H19-020934	Support Personnel (Word Processing)	115000	0.25	60.00	/HR	15.00
	H19-020934	Vehicle Charge	150000	10.00	10.00	/HR	100.00
	H19-020934	Nuclear Density Equipment Rental	951000	10.00	10.50	/HR	105.00
12/30/2019	H19-021103	Technician NICET II HMA - 1A	107000	2.50	65.00	/HR	162.50
	H19-021103	Support Personnel (Word Processing)	115000	0.25	60.00	/HR	15.00
	H19-021103	Vehicle Charge	150000	2.50	10.00	/HR	25.00
01/10/2020	H20-010177	Technician NICET II HMA - 1A	107000	8.00	65.00	/HR	520.00
	H20-010177	Technician NICET II HMA-1A OT	107010	1.75	97.50	/HR	170.63
	H20-010177	Support Personnel (Word Processing)	115000	0.25	60.00	/HR	15.00
	H20-010177	Vehicle Charge	150000	9.75	10.00	/HR	97.50
	H20-010178	Nuclear Density Equipment Rental	951000	9.75	10.50	/HR	102.38
01/11/2020	H20-010194	Technician NICET II HMA - 1A	107000	1.25	65.00	/HR	81.25
	H20-010194	Support Personnel (Word Processing)	115000	0.25	60.00	/HR	15.00
	H20-010194	Vehicle Charge	150000	1.25	10.00	/HR	12.50
SUBTOTAL INVOICE *							7,856.51
AMOUNT DUE THIS INVOICE **							7,856.51

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Page: 2



BILLING DATE :
1/31/2020

PROJECT :
AHD1913200 09C04647
Various Roads in Arcola
Fort Bend County Texas

DATE	REPORT / ASSIGNMENT	SERVICE	CODE	QUANTITY	RATE	UNIT	AMOUNT
		Authorization Amount	\$		42,333.00		
		Amount Previously Billed	\$		1,373.00		
		Amount This Invoice	\$		7,856.51		
		Total Billed to Date	\$		9,229.51		
		Amount Remaining	\$		33,103.49		
		Percent Billed			21.80%		

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FIELD TEST REPORT**Soil/Base Material Nuclear Density Test**

ATTN.: MR. A. IKE AKINWANDE, P.E., S.E., MLSE
 TO: FORT BEND COUNTY ENGINEERING DEPARTMENT
 301 JACKSON STREET
 4TH FLOOR
 RICHMOND, TX U.S. 77469
PROJECT: Various Roads In Arcola



Raba Kistner Consultants Inc.
 3602 Westchase
 Houston, Texas 77042
 (713) 998-8990 • (713) 998-8992

PROJECT NO.: AHD19-132-00
 REPORT NO.: 6, 1 of 2 (H19-020567)
 REPORT VERSION: A
 DATE: 12/09/2019
 TECHNICIAN: DURAI AL DAFFAIE
 CERTIFICATION: NICET II SOILS

CONTRACTOR: Angel Brothers
SPECIFICATION: HC 433

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO. /DEPTH	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT COMPACTION (%)
	<u>Backfill Over 24" Dia. RCP Storm Line Located Along Honey Grove Ave. Between STA: 15+35 and STA: 16+01</u>					
1	Near STA: 15+90	1	Bedding	10.1	109.0	96
2	Near STA: 15+60	1	Bedding	9.7	107.7	95
3	Near STA: 15+85	1	Top of Pipe	10.3	111.4	98
4	Near STA: 15+50	1	Top of Pipe	9.4	110.1	97
	<u>Backfill Over 18" Dia. ARCH Storm Line Located Along Honey Grove Ave. Between STA: 11+84 and STA: 12+50</u>					
5	Near STA: 11+95	1	Bedding	10.0	108.6	96

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DEN. (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
1	Cement Stabilized Sand-CSS (Proposed Backfill Material)	10.3	113.4	0.1-10.3	95	ASTM D 558 Method B

REFERENCE: Backfill/Utility Line

TRANS DEPTH: 6"
DENSITY COUNT: 2253
TEST MODE: Method A
MOISTURE COUNT: 604

FIELD TEST PROCEDURE: ASTM D 6938
GAUGE NO.: 32-015 /61850

REMARKS: Lift information was provided by the contractor. Mr. Woodford Lusk w/Othon Consultant was verbally notified of field test results.

* - Indicates noncompliance with specifications.

Depart Lab: 7:00 a.m. Arrive Site: 7:45 a.m. Lunch: 0.50 Hrs
 Depart Site: 5:45 p.m. Arrive Lab: 6:30 p.m. Time: 11.00 Hrs

NOTICE: Raba Kistner Consultants, Inc. considers the data and information contained in this report to be proprietary. This information is intended only for the use of the recipient(s) named herein. Test results presented herein relate only to those items tested. This document and any information contained herein shall not be disclosed and shall not be duplicated or used in whole or in part for any purpose other than to validate test results without written approval from Raba Kistner Consultants, Inc.

Raba Kistner
 SINCE 1968

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FIELD TEST REPORT**Soil/Base Material Nuclear Density Test**

ATTN: MR. A. IKE AKINWANDE, P.E., S.E., MLSE
 TO: FORT BEND COUNTY ENGINEERING DEPARTMENT
 301 JACKSON STREET
 4TH FLOOR
 RICHMOND, TX U.S. 77469
PROJECT: Various Roads in Arcola



Raba Kistner Consultants Inc.
 3602 Westchase
 Houston, Texas 77042
 (713) 996-8990 • (713) 996-8993

PROJECT NO.: AHD19-132-00
 REPORT NO.: 6, 2 of 2 (H19-020567)
 REPORT VERSION: A
 DATE: 12/09/2019
 TECHNICIAN: DURAI AL DAFFAIE
 CERTIFICATION: NICET II SOILS

CONTRACTOR: Angel Brothers
SPECIFICATION: HC 433

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO. /DEPTH	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT COMPACTION (%)
6	Near STA: 12+25	1	Bedding	8.9	110.6	98
7	Near STA: 11+90	1	Top of Pipe	10.2	108.0	95
8	Near STA: 12+40	1	Top of Pipe	9.4	109.3	96
	Backfill Over 24" Dia. Storm Line Located Along Honey Grove Ave. Between STA: 9+80 and STA: 10+19					
9	Near STA: 10+00	1	Bedding	9.5	110.7	98
10	Near STA: 10+05	1	Top of Pipe	10.1	108.2	95

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DEN. (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
1	Cement Stabilized Sand-CSS (Proposed Backfill Material)	10.3	113.4	0.1-10.3	95	ASTM D 558 Method B

REFERENCE: Backfill/Utility Line

TRANS DEPTH: 6"

TEST MODE: Method A

DENSITY COUNT: 2253

MOISTURE COUNT: 604

FIELD TEST PROCEDURE: ASTM D 6938

GAUGE NO.: 32-015 /61850

REMARKS: Lift information was provided by the contractor. Mr. Woodford Lusk w/Othon Consultant was verbally notified of field test results.

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COPIES TO: Above (1)
 Invoice (1)
 Othon, Inc. (1)
 Binkley Barfield (1)

RABA KISTNER CONSULTANTS, INC.



Updated By: NMG 12/10/2019 12:02:07PM H19-020567

Reviewed By: NMG 12/10/2019 12:02:11PM

Depart Lab: 7:00 a.m.

Arrive Site: 7:45 a.m.

Lunch: 0.50

Depart Site: 5:45 p.m.

Arrive Lab: 6:30 p.m.

Time: 11.00 Hrs

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