

CONSULTANTS \* ENVIRONMENTAL \* FACILITIES \* INFRASTRUCTURE

**BILLING DATE :**  
1/29/2022

**PROJECT :**  
AMD2105500  
Hidalgo County Pct. 4 - New Justice

**CLIENT :**  
A11563 Hidalgo County Precinct 4



ACH INSTRUCTIONS for RABA KISTNER, Inc.  
Bank: JP Morgan Chase Bank, NA  
**ABA: 111000614 (domestic)**  
**ACCOUNT: 1821317326**  
**EMAIL: ar@rkci.com**

**Commissioner Ellie Torres**  
**Hidalgo County Precinct 4**  
**1051 N. Doolittle Rd.**  
**Edinburg, TX 78539**

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

**PHONE (210) 699-9090**

## CONSULTING SERVICES

### INVOICE SUMMARY INFORMATION

Center - Edinburg, Hidalgo County, Texas  
Project Administration 10% - RKCI Proposal No. PMD21-109-00  
RETMC - Purchase Order No. 838621

**FOR PROFESSIONAL SERVICES RENDERED THROUGH: 1/27/2022**

SERVICE DATE	01/04/2022	213.00
SERVICE DATE	01/07/2022	479.00
SERVICE DATE	01/10/2022	189.00
SERVICE DATE	01/11/2022	875.00
SERVICE DATE	01/13/2022	1,110.50
SERVICE DATE	01/14/2022	642.00
SERVICE DATE	01/17/2022	189.00
SERVICE DATE	01/18/2022	402.00
SERVICE DATE	01/19/2022	133.00
SERVICE DATE	01/27/2022	423.25

**AMOUNT DUE THIS INVOICE \*\*** 4,655.75

**THIS IS AN INTERIM INVOICE UNLESS OTHERWISE NOTED**

RK PROJECT MANAGER: EDWIN MANRIQUE  
CLIENT PHONE: 956-383-3112

#### PROJECT ACCOUNTS RECEIVABLE SUMMARY

Amount Due This Invoice	\$ 4,655.75
Total of Previous Invoices - Currently Unpaid	<u>8,627.58</u>
Total Due And Payable	\$ 13,283.33

**BILLING DATE :**  
1/29/2022

**PROJECT :**  
AMD2105500      A11563  
Hidalgo County Pct. 4 - New Justice  
Hidalgo County Precinct 4

**SALARY / EXPENSE DETAILED BACKUP**

DESCRIPTION	REMARKS	QUANTITY	RATE	AMOUNT
01/04/2022				
CMT FIELD & LABORATORY TESTING				
FIELD DENSITY	M22-010008	2.00	24.000	48.00
TEST-BUILDING PAD				
CMT FIELD & LABORATORY TESTING				
TECH TIME-DENSITY	M22-010008	2.00	56.000	112.00
TESTING-BUILDING PAD				
CMT FIELD & LABORATORY TESTING				
VEHICLE TRAVEL	M22-010008	1.00	53.000	53.00
CHARGE				
			<b>SUBTOTAL</b>	<b>213.00</b>
01/07/2022				
CMT FIELD & LABORATORY TESTING				
FIELD DENSITY	M22-010056	1.00	24.000	24.00
TEST-BUILDING PAD				
CMT FIELD & LABORATORY TESTING				
TECH TIME-DENSITY	M22-010056	2.00	56.000	112.00
TESTING-BUILDING PAD				
CMT FIELD & LABORATORY TESTING				
VEHICLE TRAVEL	M22-010056	1.00	53.000	53.00
CHARGE				
CMT FIELD & LABORATORY TESTING				
FIELD DENSITY	M22-010065	1.00	24.000	24.00
TEST-PAVEMENT SECTION				
CMT FIELD & LABORATORY TESTING				
TECH TIME-DENSITY	M22-010065	1.00	56.000	56.00
TESTING PAVEMENT SECTION				
CMT FIELD & LABORATORY TESTING				
VEHICLE TRAVEL	M22-010065	1.00	53.000	53.00
CHARGE				
CMT FIELD & LABORATORY TESTING				
FIELD DENSITY	M22-010071	2.00	24.000	48.00
TEST-BUILDING PAD				
CMT FIELD & LABORATORY TESTING				
TECH TIME-DENSITY	M22-010071	1.00	56.000	56.00
TESTING-BUILDING PAD				
CMT FIELD & LABORATORY TESTING				
VEHICLE TRAVEL	M22-010071	1.00	53.000	53.00
CHARGE				
			<b>SUBTOTAL</b>	<b>479.00</b>
01/10/2022				
CMT FIELD & LABORATORY TESTING				
FIELD DENSITY	M22-010088	1.00	24.000	24.00
TEST-BUILDING PAD				
CMT FIELD & LABORATORY TESTING				
TECH TIME-DENSITY	M22-010088	2.00	56.000	112.00
TESTING-BUILDING PAD				
CMT FIELD & LABORATORY TESTING				

\* Invoices are submitted monthly and are due on receipt. \* Carrying charges may be assessed on invoices unpaid beyond 30 days from billing date.

**BILLING DATE :**  
1/29/2022

**PROJECT :**  
AMD2105500      A11563  
Hidalgo County Pct. 4 - New Justice  
Hidalgo County Precinct 4

**INVOICE # :**R030987

**SALARY / EXPENSE DETAILED BACKUP**

DESCRIPTION	REMARKS	QUANTITY	RATE	AMOUNT
VEHICLE TRAVEL CHARGE	M22-010088	1.00	53.000	53.00
			<b>SUBTOTAL</b>	<b>189.00</b>
01/11/2022				
CMT FIELD & LABORATORY TESTING ATTERBERG LIMIT	M22-010097	1.00	96.250	96.25
CMT FIELD & LABORATORY TESTING SIEVE ANALYSIS BASE GRADATION	M22-010097	1.00	65.000	65.00
CMT FIELD & LABORATORY TESTING VEHICLE TRAVEL CHARGE	M22-010097	1.00	53.000	53.00
CMT FIELD & LABORATORY TESTING SAMPLING TIME	M22-010097	2.00	56.000	112.00
CMT FIELD & LABORATORY TESTING FIELD DENSITY TEST-BUILDING PAD	M22-010107	1.00	24.000	24.00
CMT FIELD & LABORATORY TESTING TECH TIME-DENSITY TESTING-BUILDING PAD	M22-010107	2.00	56.000	112.00
CMT FIELD & LABORATORY TESTING VEHICLE TRAVEL CHARGE	M22-010107	1.00	53.000	53.00
CMT FIELD & LABORATORY TESTING MOISTURE DENSITY RELATIONSHIP	M22-010106	1.00	263.500	263.50
CMT FIELD & LABORATORY TESTING ATTERBERG LIMIT	M22-010106	1.00	96.250	96.25
			<b>SUBTOTAL</b>	<b>875.00</b>
01/13/2022				
CMT FIELD & LABORATORY TESTING FIELD DENSITY TEST-BUILDING PAD	M22-010154	4.00	24.000	96.00
CMT FIELD & LABORATORY TESTING TECH TIME-DENSITY TESTING-BUILDING PAD	M22-010154	2.00	56.000	112.00
CMT FIELD & LABORATORY TESTING VEHICLE TRAVEL CHARGE	M22-010154	1.00	53.000	53.00
CMT FIELD & LABORATORY TESTING MOISTURE DENSITY RELATIONSHIP	M22-010162	1.00	263.500	263.50
CMT FIELD & LABORATORY TESTING ATTERBERG LIMIT	M22-010162	1.00	96.250	96.25
CMT FIELD & LABORATORY TESTING SIEVE ANALYSIS 200 ONLY	M22-010162	1.00	65.000	65.00
CMT FIELD & LABORATORY TESTING MOISTURE DENSITY RELATIONSHIP	M22-010164	1.00	263.500	263.50

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AP Jan-22 **PLEASE PAY FROM THIS INVOICE.**

**BILLING DATE :**  
 1/29/2022

**PROJECT :**  
 AMD2105500      A11563  
 Hidalgo County Pct. 4 - New Justice  
 Hidalgo County Precinct 4

**SALARY / EXPENSE DETAILED BACKUP**

DESCRIPTION	REMARKS	QUANTITY	RATE	AMOUNT
CMT FIELD & LABORATORY TESTING ATTERBERG LIMIT	M22-010164	1.00	96.250	96.25
CMT FIELD & LABORATORY TESTING SIEVE ANALYSIS 200 ONLY	M22-010164	1.00	65.000	65.00
			<b>SUBTOTAL</b>	<b>1,110.50</b>
01/14/2022				
CMT FIELD & LABORATORY TESTING FIELD DENSITY TEST-BUILDING PAD	M22-010172	10.00	24.000	240.00
CMT FIELD & LABORATORY TESTING TECH TIME-DENSITY TESTING-BUILDING PAD	M22-010172	2.00	56.000	112.00
CMT FIELD & LABORATORY TESTING VEHICLE TRAVEL CHARGE	M22-010172	1.00	53.000	53.00
CMT FIELD & LABORATORY TESTING FIELD DENSITY TEST-PAVEMENT SECTION	M22-010186	3.00	24.000	72.00
CMT FIELD & LABORATORY TESTING TECH TIME-DENSITY TESTING PAVEMENT SECTION	M22-010186	2.00	56.000	112.00
CMT FIELD & LABORATORY TESTING VEHICLE TRAVEL CHARGE	M22-010186	1.00	53.000	53.00
			<b>SUBTOTAL</b>	<b>642.00</b>
01/17/2022				
CMT FIELD & LABORATORY TESTING FIELD DENSITY TEST-BUILDING PAD	M22-010196	1.00	24.000	24.00
CMT FIELD & LABORATORY TESTING TECH TIME-DENSITY TESTING-BUILDING PAD	M22-010196	2.00	56.000	112.00
CMT FIELD & LABORATORY TESTING VEHICLE TRAVEL CHARGE	M22-010196	1.00	53.000	53.00
			<b>SUBTOTAL</b>	<b>189.00</b>
01/18/2022				
CMT FIELD & LABORATORY TESTING FIELD DENSITY TEST-BUILDING PAD	M22-010215	1.00	24.000	24.00
CMT FIELD & LABORATORY TESTING TECH TIME-DENSITY TESTING-BUILDING PAD	M22-010215	2.00	56.000	112.00
CMT FIELD & LABORATORY TESTING VEHICLE TRAVEL CHARGE	M22-010215	1.00	53.000	53.00

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1/29/2022

**PROJECT :**  
AMD2105500      A11563  
Hidalgo County Pct. 4 - New Justice  
Hidalgo County Precinct 4

**SALARY / EXPENSE DETAILED BACKUP**

DESCRIPTION	REMARKS	QUANTITY	RATE	AMOUNT
CMT FIELD & LABORATORY TESTING				
FIELD DENSITY	M22-010216	2.00	24.000	48.00
TEST-BUILDING PAD				
CMT FIELD & LABORATORY TESTING				
TECH TIME-DENSITY	M22-010216	2.00	56.000	112.00
TESTING-BUILDING PAD				
CMT FIELD & LABORATORY TESTING				
VEHICLE TRAVEL	M22-010216	1.00	53.000	53.00
CHARGE				
			<b>SUBTOTAL</b>	<b>402.00</b>
01/19/2022				
CMT FIELD & LABORATORY TESTING				
FIELD DENSITY	M22-010228	1.00	24.000	24.00
TEST-BUILDING PAD				
CMT FIELD & LABORATORY TESTING				
TECH TIME-DENSITY	M22-010228	1.00	56.000	56.00
TESTING-BUILDING PAD				
CMT FIELD & LABORATORY TESTING				
VEHICLE TRAVEL	M22-010228	1.00	53.000	53.00
CHARGE				
			<b>SUBTOTAL</b>	<b>133.00</b>
01/27/2022				
CMT FIELD & LABORATORY TESTING				
TECHNICAL REVIEW & ADMIN	10%	423.25	1.000	423.25
			<b>SUBTOTAL</b>	<b>423.25</b>
<b>** TOTAL PROJECT AMD2105500</b>				<b>4,655.75</b>

# FIELD TEST REPORT

Soil/Base Material Nuclear Density Test



Raba Kistner, Inc.  
800 East Hackberry  
McAllen, Texas 78501  
(956) 682-5332 • FAX(956) 682-5487  
www.rkci.com  
TBPE Firm F-3257

ATTN.: ELLIE TORRES, COMMISSIONER  
TO: **HIDALGO COUNTY PRECINCT 4**  
1051 N. DOOLITTLE RD.  
EDINBURG, TX 78539

PROJECT NO.: AMD21-055-00  
DATE OF TEST: 01/04/2022  
ASSIGNMENT NO.: M22-010008  
REPORT VERSION: A  
SHEET NUMBER: 1 of 1  
TECHNICIAN: LUIS GARCIA

**PROJECT: Hidalgo County Pct. 4 - New Justice Center - Edinburg, Hidalgo County, Texas**

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO. /DEPTH	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
	<u>2 - 4" Diameter Electrical Conduit along the East Parking Lot</u>						
1	About 30' North & 25' East of Southeast Corner of Building	3	Final Lift	16.7	102.6	95.7	Yes
2	About 30' North & 35' East of Southeast Corner of Building	3	Final Lift	19.3	96.6	90.1 *	No

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
3	Brown Sandy Lean Clay (Backfill Material) (PI:12)	18.0	107.2	16-20	95	ASTM D 698 Method A

REFERENCE: UTILITY - BACKFILL

FIELD TEST PROCEDURE: ASTM D 6938      PERSON NOTIFIED: Mr. Simon Alonso      CONTRACTOR: ECON  
GAUGE NUMBER: M-1072 /7533      GAUGE MODEL: 5001 EZ      GAUGE MAKE: Humboldt      TEST MODE: Method A

REMARKS: Lift information is provided by contractor. ND-Not Determined; NP-Not Provided; NA-Not Available

\* - Indicates noncompliance with specifications. # - Indicates a RETEST

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 or used in whole or in part for any purpose other than to validate test results without written approval from Raba Kistner Consultants, Inc.

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- Pm3@ecogroup.us (1)
- genriquez@ecogroup.us (1)
- davidr@b2zeng.com (1)
- karina@b2zeng.com (1)

**RABA KISTNER, INC.**

*Mark Wolf*

BY: \_\_\_\_\_  
01/07/2022



Updated By: EFM 1/7/2022 9:40:50AM

Reviewed By: EFM 1/6/2022 3:41:18PM



# FIELD TEST REPORT

## Soil/Base Material Nuclear Density Test

ATTN.: ELLIE TORRES, COMMISSIONER  
 TO: **HIDALGO COUNTY PRECINCT 4**  
 1051 N. DOOLITTLE RD.  
 EDINBURG, TX 78539

**RABA KISTNER**  
 Raba Kistner, Inc.  
 800 East Hackberry  
 McAllen, Texas 78501  
 (956) 682-5332 • FAX(956) 682-5487  
 www.rkci.com  
 TBPE Firm F-3257

**PROJECT: Hidalgo County Pct. 4 - New Justice Center - Edinburg, Hidalgo County, Texas**

PROJECT NO.: AMD21-055-00  
 DATE OF TEST: 01/07/2022  
 ASSIGNMENT NO.: M22-010056  
 REPORT VERSION: A  
 SHEET NUMBER: 1 of 1  
 TECHNICIAN: RAFAEL THRASH

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO. /DEPTH	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
	<u>Secondary Electrical Line</u>						
1	About 15' N and 20' E From the NE Corner of the Building Pad	3	1st / 12"	18.0	89.8	83.8 *	No

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
3	Brown Sandy Lean Clay (Backfill Material) (PI:12)	18.0	107.2	16-20	95	ASTM D 698 Method A

**REFERENCE: UTILITY - BACKFILL**

**FIELD TEST PROCEDURE:** ASTM D 6938      **PERSON NOTIFIED:** Mr. Simon Alonzo      **CONTRACTOR:** ECON  
**GAUGE NUMBER:** M-1072 /7533      **GAUGE MODEL:** 5001 EZ      **GAUGE MAKE:** Humboldt      **TEST MODE:** Method A  
**REMARKS:** Lift information is provided by contractor.

\* - Indicates noncompliance with specifications. # - Indicates a RETEST

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- Pm3@econgroup.us (1)
- genriquez@econgroup.us (1)
- davidr@b2zeng.com (1)
- karina@b2zeng.com (1)

Updated By: MW 1/11/2022 8:34:49AM

**RABA KISTNER, INC.**

*Mark Wolf*

BY: \_\_\_\_\_  
 01/11/2022



Reviewed By: EFM 1/10/2022 2:19:47PM



# FIELD TEST REPORT

## Soil/Base Material Nuclear Density Test

ATTN.: ELLIE TORRES, COMMISSIONER  
 TO: **HIDALGO COUNTY PRECINCT 4**  
 1051 N. DOOLITTLE RD.  
 EDINBURG, TX 78539

**RABA KISTNER**  
 Raba Kistner, Inc.  
 800 East Hackberry  
 McAllen, Texas 78501  
 (956) 682-5332 • FAX(956) 682-5487  
 www.rkci.com  
 TBPE Firm F-3257

**PROJECT: Hidalgo County Pct. 4 - New Justice Center - Edinburg, Hidalgo County, Texas**

PROJECT NO.: AMD21-055-00  
 DATE OF TEST: 01/07/2022  
 ASSIGNMENT NO.: M22-010065  
 REPORT VERSION: A  
 SHEET NUMBER: 1 of 1  
 TECHNICIAN: LUIS GARCIA

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO. /DEPTH	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
	<u>Secondary Electrical Line</u>						
1	About 15' N and 20' E From the NE Corner of the Building Pad	3	1st Lift	23.0*	86.1	80.3 *	No #
2	About 15' N and 10' W From the NE Corner of the Building Pad	3	1st Lift	22.7*	94.4	88.1 *	No

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
3	Brown Sandy Lean Clay (Backfill Material) (PI:12)	18.0	107.2	16-20	95	ASTM D 698 Method A

**REFERENCE: UTILITY - BACKFILL**

**FIELD TEST PROCEDURE:** ASTM D 6938      **PERSON NOTIFIED:** Mr. Simon Alonzo      **CONTRACTOR:** ECON  
**GAUGE NUMBER:** M-1070 /7530      **GAUGE MODEL:** 5001 EZ      **GAUGE MAKE:** Humboldt      **TEST MODE:** Method A  
**REMARKS:** Lift information is provided by contractor. ND-Not Determined; NP-Not Provided; NA-Not Available

\*\*Note: Test No. 1 is a retest of Test No.1 from Assignment No. M22-010056 dated 01-07-22.

\* - Indicates noncompliance with specifications. # - Indicates a RETEST

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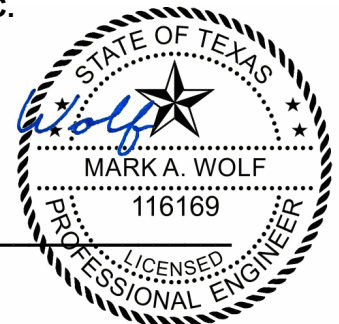
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- Pm3@econgroup.us (1)
- genriquez@econgroup.us (1)
- davidr@b2zeng.com (1)
- karina@b2zeng.com (1)

**RABA KISTNER, INC.**

*Mark Wolf*

BY: \_\_\_\_\_  
 01/11/2022



Updated By: EFM 1/10/2022 2:16:48PM

Reviewed By: EFM 1/10/2022 2:16:51PM



# FIELD TEST REPORT

Soil/Base Material Nuclear Density Test



Raba Kistner, Inc.  
800 East Hackberry  
McAllen, Texas 78501  
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ATTN.: ELLIE TORRES, COMMISSIONER  
TO: **HIDALGO COUNTY PRECINCT 4**  
1051 N. DOOLITTLE RD.  
EDINBURG, TX 78539

PROJECT NO.: AMD21-055-00  
DATE OF TEST: 01/07/2022  
ASSIGNMENT NO.: M22-010071  
REPORT VERSION: A  
SHEET NUMBER: 1 of 1  
TECHNICIAN: RAFAEL THRASH

**PROJECT: Hidalgo County Pct. 4 - New Justice Center - Edinburg, Hidalgo County, Texas**

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO. /DEPTH	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
	<u>Secondary Electrical Line</u>						
1	About 20' E and 15' N from the NE Corner of the Building Pad, On Centerline of Trench	3	1st / 12"	18.8	102.7	95.8	Yes #
2	About 15' N And 10' W From the NE Corner of the Building Pad	3	1st / 12"	17.7	108.0	100.7	Yes #
3	About 55' E and 15' N From the NE Corner of the Building Pad	3	1st / 12"	18.0	104.9	97.9	Yes

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
3	Brown Sandy Lean Clay (Backfill Material) (PI:12)	18.0	107.2	16-20	95	ASTM D 698 Method A

REFERENCE: UTILITY - BACKFILL

FIELD TEST PROCEDURE: ASTM D 6938      PERSON NOTIFIED: Mr. Simon Alonzo      CONTRACTOR: Econ  
GAUGE NUMBER: M-1072 /7533      GAUGE MODEL: 5001 EZ      GAUGE MAKE: Humboldt      TEST MODE: Method A  
REMARKS: Lift information is provided by contractor.

Test No. 1 is a retest of Test No. 1 and Test No. 2 is a retest of Test No. 2 from Assignment No. M22-010065 dated 1-07-22.

\* - Indicates noncompliance with specifications.    # - Indicates a RETEST      This is a retest for assignment No.: M22-010065

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- genriquez@ecogroup.us (1)
- davidr@b2zeng.com (1)
- karina@b2zeng.com (1)

**RABA KISTNER, INC.**

*Mark Wolf*

BY: \_\_\_\_\_  
01/11/2022



Updated By: MW 1/11/2022 8:38:14AM

Reviewed By: EFM 1/10/2022 2:36:54PM



# FIELD TEST REPORT

## Soil/Base Material Nuclear Density Test

ATTN.: ELLIE TORRES, COMMISSIONER  
 TO: **HIDALGO COUNTY PRECINCT 4**  
 1051 N. DOOLITTLE RD.  
 EDINBURG, TX 78539



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 McAllen, Texas 78501  
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 www.rkci.com  
 TBPE Firm F-3257

**PROJECT: Hidalgo County Pct. 4 - New Justice Center - Edinburg, Hidalgo County, Texas**

PROJECT NO.: AMD21-055-00  
 DATE OF TEST: 01/10/2022  
 ASSIGNMENT NO.: M22-010088  
 REPORT VERSION: A  
 SHEET NUMBER: 1 of 1  
 TECHNICIAN: RAFAEL THRASH

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO. /DEPTH	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
	<u>Secondary Electrical Line</u>						
1	About 15' N and 10' W of the NE Corner of the Building Pad	3	Final / 12"	14.9*	106.2	99.1	No

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
3	Brown Sandy Lean Clay (Backfill Material) (PI:12)	18.0	107.2	16-20	95	ASTM D 698 Method A

**REFERENCE: UTILITY - BACKFILL**

**FIELD TEST PROCEDURE:** ASTM D 6938      **PERSON NOTIFIED:** Mr. Ismael with Eco      **CONTRACTOR:** Econ  
**GAUGE NUMBER:** M-1072 /7533      **GAUGE MODEL:** 5001 EZ      **GAUGE MAKE:** Humboldt      **TEST MODE:** Method A  
**REMARKS:** Lift information is provided by contractor.

\* - Indicates noncompliance with specifications. # - Indicates a RETEST

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**RABA KISTNER, INC.**

*Mark Wolf*

BY: \_\_\_\_\_  
 01/12/2022



Updated By: EFM 1/11/2022 11:33:43AM

Reviewed By: EFM 1/11/2022 11:33:48AM



# LABORATORY TESTING REPORT

## Atterberg Limits, and Sieve Analysis

ATTN.: ELLIE TORRES, COMMISSIONER  
TO: **HIDALGO COUNTY PRECINCT 4**  
1051 N. DOOLITTLE RD.  
EDINBURG, TX 78539



Raba Kistner, Inc.  
800 East Hackberry  
McAllen, Texas 78501  
(956) 682-5332 • FAX(956) 682-5487  
www.rkci.com  
TBPE Firm F-3257

PROJECT NO.: AMD21-055-00  
SAMPLE DATE: 01/11/2022  
ASSIGNMENT NO.: M22-010097  
REPORT VERSION: A  
SHEET NUMBER: 1 of 1  
TECHNICIAN: RAFAEL THRASH

PROJECT: Hidalgo County Pct. 4 - New Justice Center - Edinburg, Hidalgo County, Texas

A sample of the following material was obtained by RKCI for laboratory testing: Light Brown Caliche with Gravel. This material was obtained from the following location: Parking Area.

This material was obtained from Jericho Pit and is intended for use as Flexible Base Material.

Atterberg Limits, TEX-104-E, TEX-105-E, TEX-106-E	
Liquid Limit (LL)	32
Plastic Limit (PL)	20
Plasticity Index (PI)	12

Tested By: ROMMEL PINERA JR

Sieve Analysis, TEX-110-E		TxDOT Grade 4
Sieve No.	Cumulative % Retained	Specification Limits
2"	0	0 - 0
1/2"	37	20 - 60
No. 4	60	40 - 75
No. 40	78	70 - 90

Tested By: ROMMEL PINERA JR

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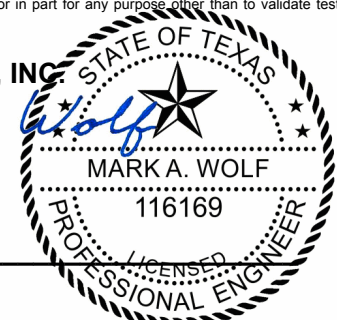
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davidr@b2zeng.com (1)

Updated By: JMC 1/14/2022 11:32:09AM

RABA KISTNER, INC.

*Mark A. Wolf*



BY: \_\_\_\_\_  
01/20/2022

Reviewed By: EA 1/18/2022 9:48:52AM



# LABORATORY TESTING REPORT

## Moisture-Density Relationship, and Atterberg Limits

ATTN.: ELLIE TORRES, COMMISSIONER  
TO: **HIDALGO COUNTY PRECINCT 4**  
1051 N. DOOLITTLE RD.  
EDINBURG, TX 78539



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TBPE Firm F-3257

PROJECT NO.: AMD21-055-00  
SAMPLE DATE: 01/11/2022  
ASSIGNMENT NO.: M22-010106  
REPORT VERSION: A  
SHEET NUMBER: 1 of 1  
TECHNICIAN: RAFAEL THRASH

**PROJECT: Hidalgo County Pct. 4 - New Justice Center - Edinburg, Hidalgo County, Texas**

A sample of the following material was obtained by RKCI for laboratory testing : Light Brown Clay with Lime (Treated Subgrade Material). This material was obtained from the following location: Various Locations across the Parking Lot.

This material was obtained from The Project Site and is intended for use as Treated Subgrade Material in the following area: Parking Lot Area.

Moisture-Density Relationship Test, ASTM D 698 Method A	
Maximum Dry Density, (pcf)	107.8
Optimum Moisture Content, (%)	16.5

*The Proctor curve is available upon request.*

Tested By: OSCAR CRUZ

Atterberg Limits, ASTM D 4318 Method B	
Average Liquid Limit	30
Average Plastic Limit	26
Average Plasticity Index	4

Tested By: JUAN FERNANDEZ

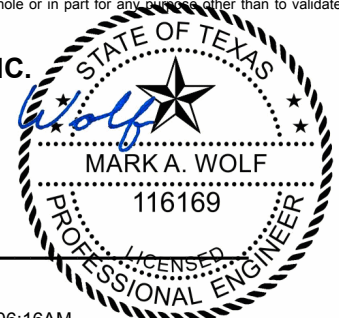
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RABA KISTNER, INC.

*Mark Wolf*  
MARK A. WOLF  
116169



BY: \_\_\_\_\_  
01/20/2022

Updated By: EFM 1/20/2022 11:06:14AM

Reviewed By: EFM 1/20/2022 11:06:16AM



Project : AMD21-055-00 : Hidalgo County Pct. 4 - New Justice

Work Type: Authorized Project

Project Manager:

Project Start Date: 10/15/2021

Anticipated Completion Date: 12/31/2024

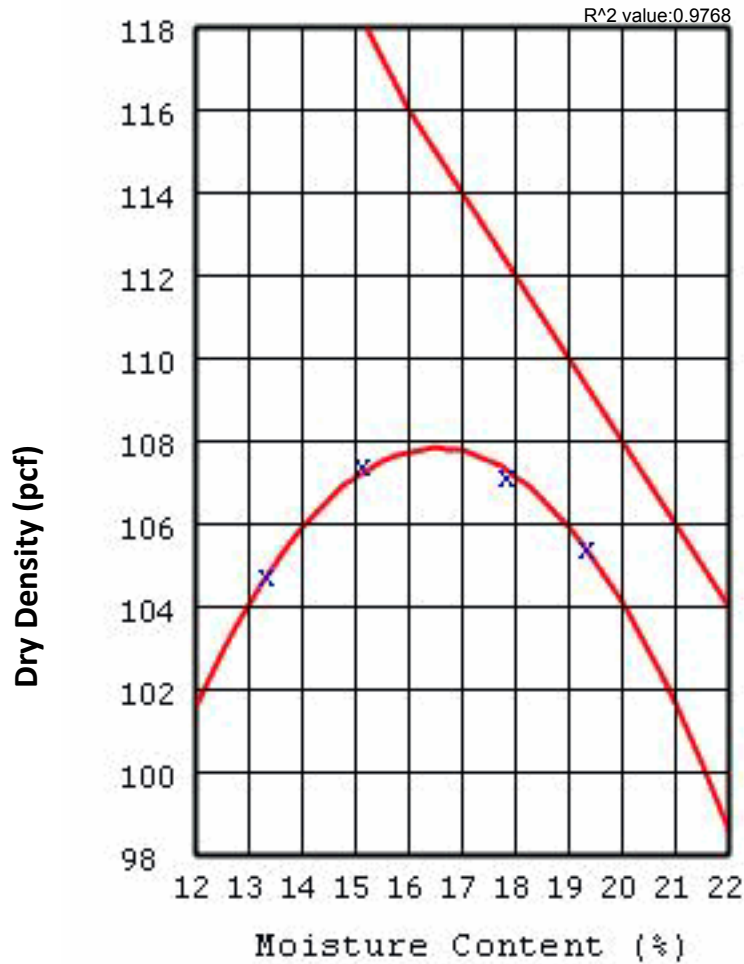
Project Client: Hidalgo County Precinct 4

Assignment No.: M22-010106

Sample Date: 01/11/2022

Sample Location: Various Locations across the Parking Lot

Field Crew: RT



Max. Dry Density (pcf): 107.8

Average Plasticity Index: 4

Material Description: Light Brown Clay with Lime (Treated Subgrade Material)

Optimum Moisture Content (%): 16.5

Average Liquid Limit: 30

Assumed Specific Gravity: 2.65

# FIELD TEST REPORT

## Soil/Base Material Nuclear Density Test

ATTN.: ELLIE TORRES, COMMISSIONER  
 TO: **HIDALGO COUNTY PRECINCT 4**  
 1051 N. DOOLITTLE RD.  
 EDINBURG, TX 78539

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**PROJECT: Hidalgo County Pct. 4 - New Justice Center - Edinburg, Hidalgo County, Texas**

PROJECT NO.: AMD21-055-00  
 DATE OF TEST: 01/11/2022  
 ASSIGNMENT NO.: M22-010107  
 REPORT VERSION: A  
 SHEET NUMBER: 1 of 1  
 TECHNICIAN: RAFAEL THRASH

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO. /DEPTH	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
	4" Diameter - PVC Communication Line						
1	About 70' E and 15' N from the SE Corner of the Building Pad	3	1st / 12"	19.6	99.4	92.7 *	No

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
3	Brown Sandy Lean Clay (Backfill Material) (PI:12)	18.0	107.2	16-20	95	ASTM D 698 Method A

**REFERENCE: UTILITY - BACKFILL**

**FIELD TEST PROCEDURE:** ASTM D 6938      **PERSON NOTIFIED:** Mr. Simon Alonzo      **CONTRACTOR:** Econ  
**GAUGE NUMBER:** M-1072 /7533      **GAUGE MODEL:** 5001 EZ      **GAUGE MAKE:** Humboldt      **TEST MODE:** Method A  
**REMARKS:** Lift information is provided by contractor.

\* - Indicates noncompliance with specifications. # - Indicates a RETEST

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Updated By: EFM 1/20/2022 9:34:48AM

**RABA KISTNER, INC.**

*Mark Wolf*

BY: \_\_\_\_\_  
 01/22/2022



Reviewed By: EFM 1/20/2022 9:34:54AM



# FIELD TEST REPORT

## Soil/Base Material Nuclear Density Test

ATTN.: ELLIE TORRES, COMMISSIONER  
 TO: **HIDALGO COUNTY PRECINCT 4**  
 1051 N. DOOLITTLE RD.  
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**PROJECT: Hidalgo County Pct. 4 - New Justice Center - Edinburg, Hidalgo County, Texas**

PROJECT NO.: AMD21-055-00  
 DATE OF TEST: 01/13/2022  
 ASSIGNMENT NO.: M22-010154  
 REPORT VERSION: A  
 SHEET NUMBER: 1 of 1  
 TECHNICIAN: LUIS GARCIA

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO. /DEPTH	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
	<u>4" Diameter Electrical Line for Generator</u>						
1	About 40' North and 35' East of Northeast Corner of Building	3	1st Lift	33.5*	88.9	82.9 *	No
2	About 40' North and 5' West of East of Northeast Corner of Building	3	1st Lift	21.1*	95.4	89.0 *	No
	<u>Manhole Northwest of Building</u>						
3	About 40' North and 30' West of Northwest Corner of Building	2	1st Lift	14.6	106.1	91.8 *	No
4	About 45' North and 25' West of Northwest Corner of Building	2	1st Lift	14.2	103.3	89.4 *	No

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
2	Light Brown Clayey Sand (Select Fill Material) (PI:11)	13.6	115.6	11.6-15.6	98	ASTM D 698 Method A
3	Brown Sandy Lean Clay (Backfill Material) (PI:12)	18.0	107.2	16-20	95	ASTM D 698 Method A

**REFERENCE:** UTILITY - BACKFILL; FOUNDATION PAD - SELECT FILL

**FIELD TEST PROCEDURE:** ASTM D 6938      **PERSON NOTIFIED:** Mr. Simon Alonzo      **CONTRACTOR:** ECON

**GAUGE NUMBER:** M-1072 /7533      **GAUGE MODEL:** 5001 EZ      **GAUGE MAKE:** Humboldt      **TEST MODE:** Method A

**REMARKS:** Simon Alonzo (ECON) was notified of Test Results. Lift information is provided by contractor. ND-Not Determined; NP-Not Provided; NA-Not Available

\* - Indicates noncompliance with specifications. # - Indicates a RETEST

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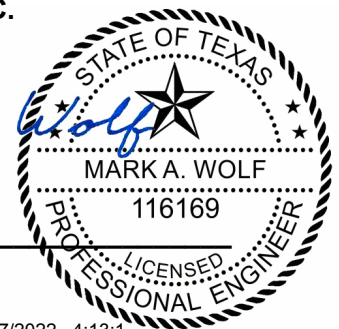
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*Mark Wolf*

BY: \_\_\_\_\_  
 01/22/2022



Updated By: MW 1/22/2022 12:01:56PM

Reviewed By: ELOY ARREDONDO JR 1/17/2022 4:13:1



# LABORATORY TESTING REPORT



Moisture-Density Relationship, Atterberg Limits, and Minus No. 200 Determination

ATTN.: ELLIE TORRES, COMMISSIONER  
TO: HIDALGO COUNTY PRECINCT 4  
1051 N. DOOLITTLE RD.  
EDINBURG, TX 78539

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800 East Hackberry  
McAllen, Texas 78501  
(956) 682-5332 • FAX(956) 682-5487  
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PROJECT NO.: AMD21-055-00  
SAMPLE DATE: 01/13/2022  
ASSIGNMENT NO.: M22-010162  
REPORT VERSION: A  
SHEET NUMBER: 1 of 1  
TECHNICIAN: LUIS GARCIA

**PROJECT: Hidalgo County Pct. 4 - New Justice Center - Edinburg, Hidalgo County, Texas**

A sample of the following material was obtained by RKCI for laboratory testing : Brown Clayey Sand (Backfill Material). This material was obtained from the following location: Stockpile on-site, along the PVC Communication Line.

This material was obtained from The Project Site and is intended for use as Backfill Material in the following area: 4" Diameter PVC Communication Line.

On the basis of the testing conducted and in general accordance with ASTM D 2487: Unified Soil Classification System, the material is classified as SC

Moisture-Density Relationship Test, ASTM D 698 Method A	
Maximum Dry Density, (pcf)	108.9
Optimum Moisture Content, (%)	17.0

*The Proctor curve is available upon request.* Tested By: OSCAR CRUZ

Finer Than No. 200 Sieve Determination, ASTM D 1140	
Finer Than No. 200 Sieve, (%)	44.4

Tested By: ROMMEL PINERA JR

Atterberg Limits, ASTM D 4318 Method B	
Average Liquid Limit	30
Average Plastic Limit	18
Average Plasticity Index	12

Tested By: ROMMEL PINERA JR

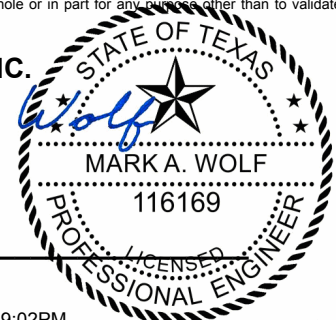
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- genriquez@econgroup.us (1)

RABA KISTNER, INC.

*Mark Wolf*



BY: \_\_\_\_\_  
01/20/2022

Updated By: MW 1/20/2022 8:06:04PM

Reviewed By: EFM 1/20/2022 3:19:02PM



Project : AMD21-055-00 : Hidalgo County Pct. 4 - New Justice

Work Type: Authorized Project

Project Manager:

Project Start Date: 10/15/2021

Anticipated Completion Date: 12/31/2024

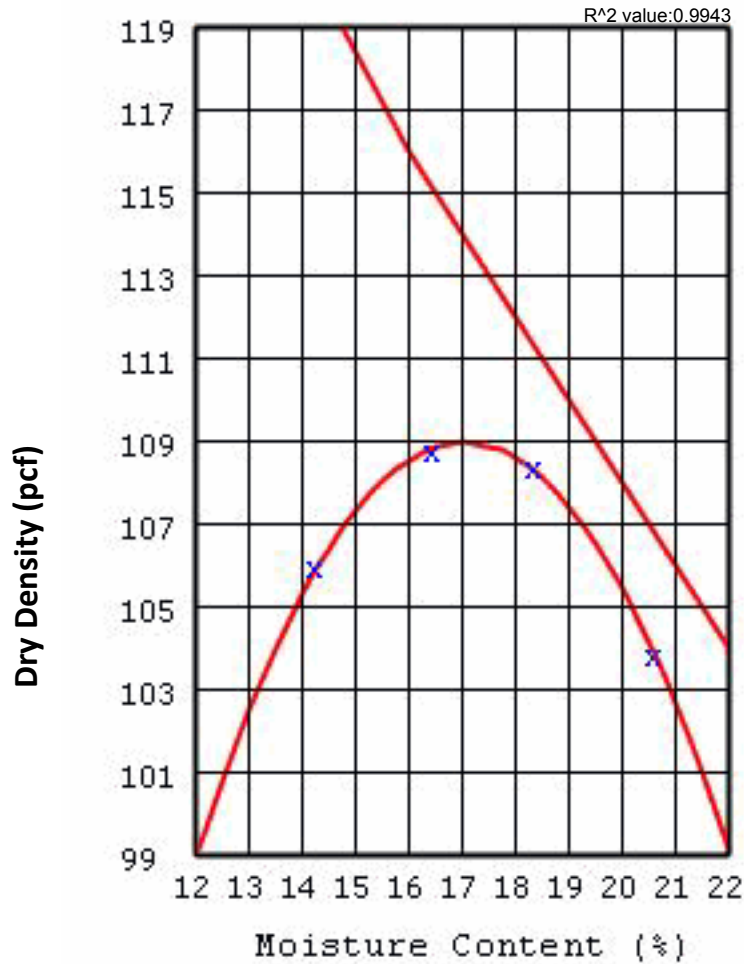
Project Client: Hidalgo County Precinct 4

Assignment No.: M22-010162

Sample Date: 01/13/2022

Sample Location: Stockpile on-site, along the PVC Communication Line

Field Crew: LAG



Max. Dry Density (pcf): 108.9

Average Plasticity Index: 12

Material Description: Brown Clayey Sand (Backfill Material)

Optimum Moisture Content (%): 17.0

Average Liquid Limit: 30

Assumed Specific Gravity: 2.65

# LABORATORY TESTING REPORT



## Moisture-Density Relationship, Atterberg Limits, and Minus No. 200 Determination

ATTN.: ELLIE TORRES, COMMISSIONER  
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PROJECT NO.: AMD21-055-00  
SAMPLE DATE: 01/13/2022  
ASSIGNMENT NO.: M22-010164  
REPORT VERSION: A  
SHEET NUMBER: 1 of 1  
TECHNICIAN: LUIS GARCIA

### PROJECT: Hidalgo County Pct. 4 - New Justice Center - Edinburg, Hidalgo County, Texas

A sample of the following material was obtained by RKCI for laboratory testing : Brown Sandy Lean Clay (Backfill Material). This material was obtained from the following location: Stockpile on-site, along 4" Diameter - Generator Line Area.

This material was obtained from The Project Site and is intended for use as Backfill Material in the following area: 4" Diameter - Generator Line Area.

On the basis of the testing conducted and in general accordance with ASTM D 2487: Unified Soil Classification System, the material is classified as CL

Moisture-Density Relationship Test, ASTM D 698 Method A	
Maximum Dry Density, (pcf)	108.6
Optimum Moisture Content, (%)	17.4

*The Proctor curve is available upon request.* Tested By: OSCAR CRUZ

Finer Than No. 200 Sieve Determination, ASTM D 1140	
Finer Than No. 200 Sieve, (%)	50.0

Tested By: ROMMEL PINERA JR

Atterberg Limits, ASTM D 4318 Method B	
Average Liquid Limit	40
Average Plastic Limit	20
Average Plasticity Index	20

Tested By: ROMMEL PINERA JR

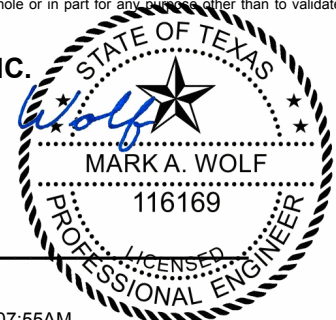
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- Pm3@econgroup.us (1)
- genriquez@econgroup.us (1)

RABA KISTNER, INC.

*Mark Wolf*



BY: \_\_\_\_\_  
01/20/2022

Updated By: EFM 1/20/2022 11:07:53AM

Reviewed By: EFM 1/20/2022 11:07:55AM



Project : AMD21-055-00 : Hidalgo County Pct. 4 - New Justice

Work Type: Authorized Project

Project Manager:

Project Start Date: 10/15/2021

Anticipated Completion Date: 12/31/2024

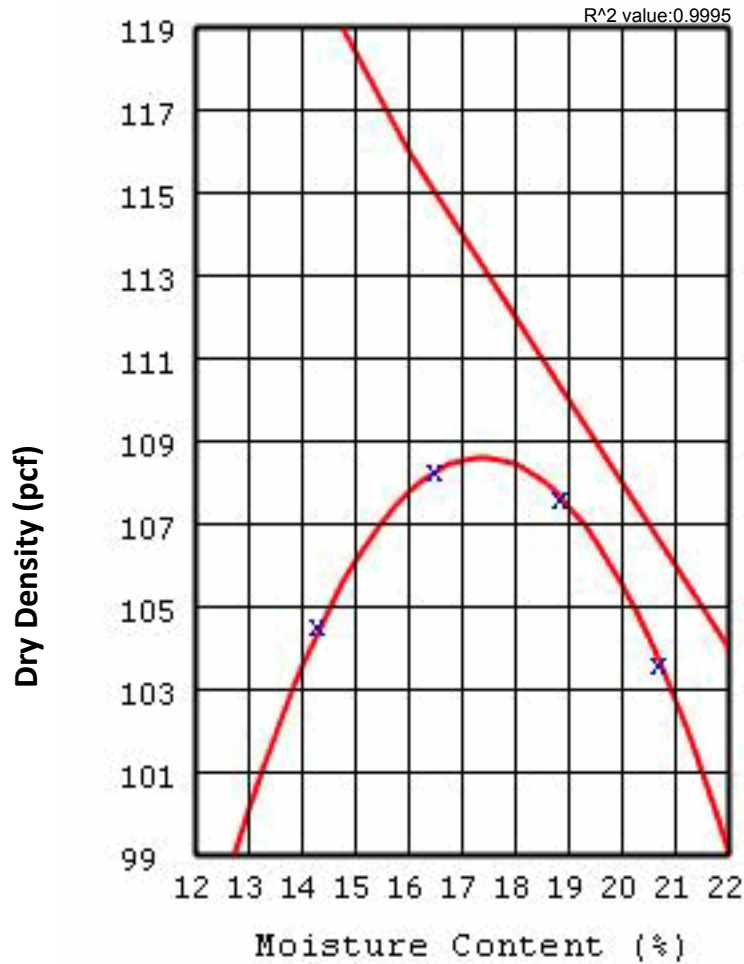
Project Client: Hidalgo County Precinct 4

Assignment No.: M22-010164

Sample Date: 01/13/2022

Sample Location: Stockpile on-site, along 4" Diameter - Generator Line Area

Field Crew: LAG



Max. Dry Density (pcf): 108.6

Average Plasticity Index: 20

Material Description: Brown Sandy Lean Clay (Backfill Material)

Optimum Moisture Content (%): 17.4

Average Liquid Limit: 40

Assumed Specific Gravity: 2.65

# FIELD TEST REPORT

## Soil/Base Material Nuclear Density Test



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McAllen, Texas 78501  
(956) 682-5332 • FAX(956) 682-5487  
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ATTN.: ELLIE TORRES, COMMISSIONER  
TO: **HIDALGO COUNTY PRECINCT 4**  
1051 N. DOOLITTLE RD.  
EDINBURG, TX 78539

PROJECT NO.: AMD21-055-00  
DATE OF TEST: 01/14/2022  
ASSIGNMENT NO.: M22-010172  
REPORT VERSION: A  
SHEET NUMBER: 1 of 2  
TECHNICIAN: VICTOR SALINAS III

**PROJECT: Hidalgo County Pct. 4 - New Justice Center - Edinburg, Hidalgo County, Texas**

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO. /DEPTH	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
	<u>Manhole NW of building pad</u>						
1	About 45' N & 25' W of NW corner outside of building pad	3	3rd/12"	18.8	107.2	100.0	Yes
	<u>Generator pad - 4" Diameter communications line</u>						
2	About 4' N & 4' E of NW corner outside of building pad	3	1st/12"	17.9	107.0	99.8	Yes
3	About 20' N & 15' E of SE corner parking lot	3	1st/12"	18.5	108.0	100.7	Yes
	<u>Main Parking lot</u>						
4	About 20' N & 20' W of SE corner parking lot	5	LTS/8"	18.7	109.1	101.2	Yes
5	About 25' N & 20' E of SW corner parking lot	5	LTS/8"	18.1	109.7	101.8	Yes

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
3	Brown Sandy Lean Clay (Backfill Material) (PI:12)	18.0	107.2	16-20	95	ASTM D 698 Method A
5	Light Brown Clay with Lime (Treated Subgrade Material) (PI:4)	16.5	107.8	16.5-19.5	95	ASTM D 698 Method A

**REFERENCE:** UTILITY - BACKFILL / PAVEMENT SECTION - LIME TREATED SUBGRADE = LTS

**FIELD TEST PROCEDURE:** ASTM D 6938      **PERSON NOTIFIED:** Mr. Simon Alonzo      **CONTRACTOR:** Econ

**GAUGE NUMBER:** M-1034 /5133      **GAUGE MODEL:** 3411      **GAUGE MAKE:** Troxler      **TEST MODE:** Method A

**REMARKS:** Lift information is provided by contractor.

\* - Indicates noncompliance with specifications.      # - Indicates a RETEST

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# FIELD TEST REPORT

## Soil/Base Material Nuclear Density Test



Raba Kistner, Inc.  
800 East Hackberry  
McAllen, Texas 78501  
(956) 682-5332 • FAX(956) 682-5487  
www.rkci.com  
TBPE Firm F-3257

ATTN.: ELLIE TORRES, COMMISSIONER  
TO: **HIDALGO COUNTY PRECINCT 4**  
1051 N. DOOLITTLE RD.  
EDINBURG, TX 78539

PROJECT NO.: AMD21-055-00  
DATE OF TEST: 01/14/2022  
ASSIGNMENT NO.: M22-010172  
REPORT VERSION: A  
SHEET NUMBER: 2 of 2  
TECHNICIAN: VICTOR SALINAS III

**PROJECT: Hidalgo County Pct. 4 - New Justice Center - Edinburg, Hidalgo County, Texas**

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO. /DEPTH	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
6	About 25' S & 25' E of NW corner parking lot	5	LTS/8"	18.5	111.8	103.7	Yes
7	About 20' S & 20' W of NE corner parking lot	5	LTS/8"	18.1	108.0	100.2	Yes
	<u>Main drive entrance of off S 28th Ave</u>						
8	Near STA.: 1+00, 8' N of centerline of road	5	LTS/8"	18.9	109.6	101.7	Yes
9	Near STA.: 2+75 on Centerline of road	5	LTS/8"	17.9	107.8	100.0	Yes
10	Near STA.: 4+25, 8' N of centerline of road	5	LTS/8"	18.1	107.7	99.9	Yes

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
3	Brown Sandy Lean Clay (Backfill Material) (PI:12)	18.0	107.2	16-20	95	ASTM D 698 Method A
5	Light Brown Clay with Lime (Treated Subgrade Material) (PI:4)	16.5	107.8	16.5-19.5	95	ASTM D 698 Method A

**REFERENCE:** UTILITY - BACKFILL / PAVEMENT SECTION - LIME TREATED SUBGRADE = LTS

**FIELD TEST PROCEDURE:** ASTM D 6938      **PERSON NOTIFIED:** Mr. Simon Alonzo      **CONTRACTOR:** Econ

**GAUGE NUMBER:** M-1034 /5133      **GAUGE MODEL:** 3411      **GAUGE MAKE:** Troxler      **TEST MODE:** Method A

**REMARKS:** Lift information is provided by contractor.

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**RABA KISTNER, INC.**

*Mark Wolf*

BY: \_\_\_\_\_  
01/26/2022



Updated By: EFM 1/25/2022 10:10:42AM

Reviewed By: EFM 1/25/2022 10:10:51AM



# FIELD TEST REPORT

## Soil/Base Material Nuclear Density Test



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1051 N. DOOLITTLE RD.  
EDINBURG, TX 78539

PROJECT NO.: AMD21-055-00  
DATE OF TEST: 01/14/2022  
ASSIGNMENT NO.: M22-010186  
REPORT VERSION: A  
SHEET NUMBER: 1 of 1  
TECHNICIAN: VICTOR SALINAS III

**PROJECT: Hidalgo County Pct. 4 - New Justice Center - Edinburg, Hidalgo County, Texas**

Arrive Site: 4:00 PM Depart Site: 5:00 PM

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO. /DEPTH	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
	<u>B/F around manhole NW section of building pad</u>						
1	About 45°N & 25°W of corner building pad	3	4th/12"	18.1	107.5	100.3	Yes
	<u>Communication line for generator pad</u>						
2	About 3°N & 7°E of NW corner outside of building pad	3	2nd/12"	19.2	108.3	101.0	Yes
3	About 20°N & 15°E of SE corner parking lot	3	2nd/12"	18.6	107.9	100.7	Yes

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
3	Brown Sandy Lean Clay (Backfill Material) (PI:12)	18.0	107.2	16-20	95	ASTM D 698 Method A

REFERENCE: PAVEMENT SECTION - BACKFILL

FIELD TEST PROCEDURE: ASTM D 6938 PERSON NOTIFIED: Mr Simon Alonzo w/ CONTRACTOR: Econ  
GAUGE NUMBER: M-1034 /5133 GAUGE MODEL: 3411 GAUGE MAKE: Troxler TEST MODE: Method A

REMARKS: Lift information is provided by contractor.

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RABA KISTNER, INC.

*Mark Wolf*

BY: \_\_\_\_\_  
01/22/2022



Updated By: MW 1/22/2022 12:06:11PM

Reviewed By: ELOY ARREDONDO JR 1/17/2022 10:10:



# FIELD TEST REPORT

## Soil/Base Material Nuclear Density Test



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ATTN.: ELLIE TORRES, COMMISSIONER  
TO: **HIDALGO COUNTY PRECINCT 4**  
1051 N. DOOLITTLE RD.  
EDINBURG, TX 78539

PROJECT NO.: AMD21-055-00  
DATE OF TEST: 01/17/2022  
ASSIGNMENT NO.: M22-010196  
REPORT VERSION: A  
SHEET NUMBER: 1 of 1  
TECHNICIAN: ROGELIO DELGADO

**PROJECT: Hidalgo County Pct. 4 - New Justice Center - Edinburg, Hidalgo County, Texas**

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO. /DEPTH	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
	<u>Manhole (NW of Building Pad)</u>						
1	About 50' N and 30' W from the NW corner of Building Pad	3	5th / 12"	18.2	104.8	97.8	Yes

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
3	Brown Sandy Lean Clay (Backfill Material) (PI:12)	18.0	107.2	16-20	95	ASTM D 698 Method A

**REFERENCE: UTILITY - BACKFILL**

**FIELD TEST PROCEDURE:** ASTM D 6938      **PERSON NOTIFIED:** Mr. Simon Alonso      **CONTRACTOR:** ECON  
**GAUGE NUMBER:** M-1071 /7531      **GAUGE MODEL:** 5001 EZ      **GAUGE MAKE:** Humboldt      **TEST MODE:** Method A  
**REMARKS:** Lift information is provided by contractor.

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- davidr@b2zeng.com (1)
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**RABA KISTNER, INC.**

*Mark Wolf*

BY: \_\_\_\_\_  
01/22/2022



Updated By: EFM 1/20/2022 10:28:10AM

Reviewed By: EFM 1/20/2022 10:28:12AM



# FIELD TEST REPORT

## Soil/Base Material Nuclear Density Test



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ATTN.: ELLIE TORRES, COMMISSIONER  
TO: **HIDALGO COUNTY PRECINCT 4**  
1051 N. DOOLITTLE RD.  
EDINBURG, TX 78539

PROJECT NO.: AMD21-055-00  
DATE OF TEST: 01/18/2022  
ASSIGNMENT NO.: M22-010215  
REPORT VERSION: A  
SHEET NUMBER: 1 of 1  
TECHNICIAN: RAFAEL THRASH

**PROJECT: Hidalgo County Pct. 4 - New Justice Center - Edinburg, Hidalgo County, Texas**

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO. /DEPTH	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
	<u>Electrical Data Line</u>						
1	About 5' W and 15' N from the SW Corner of the Building Pad	3	2nd / 12"	12.9*	107.4	100.2	No

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
3	Brown Sandy Lean Clay (Backfill Material) (PI:12)	18.0	107.2	16-20	95	ASTM D 698 Method A

**REFERENCE: UTILITY - BACKFILL**

**FIELD TEST PROCEDURE:** ASTM D 6938      **PERSON NOTIFIED:** Mr. Simon Alonso      **CONTRACTOR:** ECON  
**GAUGE NUMBER:** M-1072 /7533      **GAUGE MODEL:** 5001 EZ      **GAUGE MAKE:** Humboldt      **TEST MODE:** Method A  
**REMARKS:** Lift information is provided by contractor.

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*Mark Wolf*

BY: \_\_\_\_\_  
01/22/2022



Updated By: MW 1/22/2022 12:10:05PM

Reviewed By: EFM 1/20/2022 10:49:03AM



# FIELD TEST REPORT

## Soil/Base Material Nuclear Density Test



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www.rkci.com  
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1051 N. DOOLITTLE RD.  
EDINBURG, TX 78539

PROJECT NO.: AMD21-055-00  
DATE OF TEST: 01/18/2022  
ASSIGNMENT NO.: M22-010216  
REPORT VERSION: A  
SHEET NUMBER: 1 of 1  
TECHNICIAN: ROGELIO DELGADO

**PROJECT: Hidalgo County Pct. 4 - New Justice Center - Edinburg, Hidalgo County, Texas**

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO. /DEPTH	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
	<u>Manhole (NW of Building Pad)</u>						
1	About 48' N and 32' W from the NW corner of Building Pad	3	6th / 12"	17.6	105.0	97.9	Yes
	<u>2 - 4" Diameter Electrical Lines - Data</u>						
2	About 15' N and 8' W from the SW corner of Building Pad	3	1st / 12"	17.0	104.2	97.2	Yes

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
3	Brown Sandy Lean Clay (Backfill Material) (PI:12)	18.0	107.2	16-20	95	ASTM D 698 Method A

**REFERENCE: UTILITY - BACKFILL**

**FIELD TEST PROCEDURE:** ASTM D 6938      **PERSON NOTIFIED:** Mr. Simon Alonso      **CONTRACTOR:** ECON  
**GAUGE NUMBER:** M-1071 /7531      **GAUGE MODEL:** 5001 EZ      **GAUGE MAKE:** Humboldt      **TEST MODE:** Method A  
**REMARKS:** Lift information is provided by contractor.

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**RABA KISTNER, INC.**

*Mark Wolf*

BY: \_\_\_\_\_  
01/22/2022



Updated By: EFM 1/20/2022 10:45:33AM

Reviewed By: EFM 1/20/2022 10:45:36AM



# FIELD TEST REPORT

## Soil/Base Material Nuclear Density Test

ATTN.: ELLIE TORRES, COMMISSIONER  
 TO: **HIDALGO COUNTY PRECINCT 4**  
 1051 N. DOOLITTLE RD.  
 EDINBURG, TX 78539

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 800 East Hackberry  
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**PROJECT: Hidalgo County Pct. 4 - New Justice Center - Edinburg, Hidalgo County, Texas**

PROJECT NO.: AMD21-055-00  
 DATE OF TEST: 01/19/2022  
 ASSIGNMENT NO.: M22-010228  
 REPORT VERSION: A  
 SHEET NUMBER: 1 of 1  
 TECHNICIAN: ROGELIO DELGADO

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO. /DEPTH	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
	<u>Manhole (NW of Building Pad)</u>						
1	About 48' N and 32' W from the NW corner of Building Pad	3	7th / 12"	17.6	105.1	98.0	Yes
	<u>2 - 4" Diameter Electrical Lines - Data</u>						
2	About 15' N and 8' W from the SW corner of Building Pad	3	2nd / 12"	18.1	104.2	97.2	Yes #

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
3	Brown Sandy Lean Clay (Backfill Material) (PI:12)	18.0	107.2	16-20	95	ASTM D 698 Method A

**REFERENCE: UTILITY - BACKFILL**

**FIELD TEST PROCEDURE:** ASTM D 6938      **PERSON NOTIFIED:** Mr. Simon Alonso      **CONTRACTOR:** ECON  
**GAUGE NUMBER:** M-1071 /7531      **GAUGE MODEL:** 5001 EZ      **GAUGE MAKE:** Humboldt      **TEST MODE:** Method A  
**REMARKS:** Lift information is provided by contractor.

\*\*Note: Test No. 2 is a retest of Test No. 1 from Assignment No. M22-010215 dated 01-18-22.

\* - Indicates noncompliance with specifications.      # - Indicates a RETEST      This is a retest for assignment No.: M22-010215

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Updated By: MW 1/22/2022 12:16:02PM

**RABA KISTNER, INC.**

*Mark Wolf*

BY: \_\_\_\_\_  
 01/22/2022



Reviewed By: EFM 1/21/2022 2:34:27PM

