

CONSULTANTS \* ENVIRONMENTAL \* FACILITIES \* INFRASTRUCTURE

**BILLING DATE :**  
3/21/2022

**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: 3/4/2022

SERVICE DATE	02/04/2022	189.00
SERVICE DATE	02/11/2022	279.00
SERVICE DATE	02/12/2022	158.00
SERVICE DATE	02/14/2022	474.00
SERVICE DATE	02/15/2022	337.50
SERVICE DATE	02/16/2022	137.00
SERVICE DATE	02/21/2022	314.75
SERVICE DATE	02/22/2022	137.00
SERVICE DATE	02/24/2022	213.00
SERVICE DATE	02/28/2022	189.00
SERVICE DATE	03/02/2022	667.50
SERVICE DATE	03/03/2022	378.00
SERVICE DATE	03/04/2022	347.38

**AMOUNT DUE THIS INVOICE \*\*** 3,821.13

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

**BILLING DATE :**

3/21/2022

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

RK PROJECT MANAGER: EDWIN MANRIQUE

CLIENT PHONE: 956-383-3112

**PROJECT ACCOUNTS RECEIVABLE SUMMARY**

Amount Due This Invoice	\$ 3,821.13
Total of Previous Invoices - Currently Unpaid	<u>0.00</u>
Total Due And Payable	\$ 3,821.13

**BILLING DATE :**  
3/21/2022

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

**SALARY / EXPENSE DETAILED BACKUP**

DESCRIPTION	REMARKS	QUANTITY	RATE	AMOUNT
02/04/2022				
CoMET, CONST, ENV, SWPPP FIELD DENSITY TEST-BUILDING PAD	M22-010364	1.00	24.000	24.00
CoMET, CONST, ENV, SWPPP TECH TIME-DENSITY TESTING-BUILDING PAD	M22-010364	2.00	56.000	112.00
CoMET, CONST, ENV, SWPPP VEHICLE TRAVEL CHARGE	M22-010364	1.00	53.000	53.00
			<b>SUBTOTAL</b>	<b>189.00</b>
02/11/2022				
CoMET, CONST, ENV, SWPPP MASONRY OBSERVATION	M22-010441	2.00	71.500	143.00
CoMET, CONST, ENV, SWPPP VEHICLE TRAVEL CHARGE	M22-010441	1.00	53.000	53.00
CoMET, CONST, ENV, SWPPP MORTAR/GROUT COMPR STR TESTS	M22-010443	4.00	20.750	83.00
			<b>SUBTOTAL</b>	<b>279.00</b>
02/12/2022				
CoMET, CONST, ENV, SWPPP VEHICLE TRAVEL CHARGE	M22-010443	1.00	53.000	53.00
CoMET, CONST, ENV, SWPPP TECH-TIME OVERTIME	M22-010443	1.25	84.000	105.00
			<b>SUBTOTAL</b>	<b>158.00</b>
02/14/2022				
CoMET, CONST, ENV, SWPPP FIELD DENSITY TEST-SANITARY SEWER	M22-010447	3.00	24.000	72.00
CoMET, CONST, ENV, SWPPP TECHNICIAN TIME-DENSITY TESTING-SANTARY SEWER	M22-010447	2.00	56.000	112.00
CoMET, CONST, ENV, SWPPP VEHICLE TRAVEL CHARGE	M22-010447	1.00	53.000	53.00
CoMET, CONST, ENV, SWPPP FIELD DENSITY TEST-SANITARY SEWER	M22-010454	3.00	24.000	72.00
CoMET, CONST, ENV, SWPPP TECHNICIAN TIME-DENSITY TESTING-SANTARY SEWER	M22-010454	2.00	56.000	112.00

\* 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 :**  
3/21/2022

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

**SALARY / EXPENSE DETAILED BACKUP**

DESCRIPTION	REMARKS	QUANTITY	RATE	AMOUNT
CoMET, CONST, ENV, SWPPP VEHICLE TRAVEL CHARGE	M22-010454	1.00	53.000	53.00
			<b>SUBTOTAL</b>	<b>474.00</b>
02/15/2022				
CoMET, CONST, ENV, SWPPP MORTAR/GROUT COMPR STR TESTS	M22-010466	6.00	20.750	124.50
CoMET, CONST, ENV, SWPPP VEHICLE TRAVEL CHARGE	M22-010466	1.00	53.000	53.00
CoMET, CONST, ENV, SWPPP TECH TIME-CONCRETE TESTING	M22-010466	2.00	56.000	112.00
CoMET, CONST, ENV, SWPPP FIELD DENSITY TEST-SANITARY SEWER	M22-010465	2.00	24.000	48.00
			<b>SUBTOTAL</b>	<b>337.50</b>
02/16/2022				
CoMET, CONST, ENV, SWPPP VEHICLE TRAVEL CHARGE	M22-010466	1.00	53.000	53.00
CoMET, CONST, ENV, SWPPP TECH TIME CASTING PICK UP SPEC	M22-010466	1.50	56.000	84.00
			<b>SUBTOTAL</b>	<b>137.00</b>
02/21/2022				
CoMET, CONST, ENV, SWPPP MORTAR/GROUT COMPR STR TESTS	M22-010562	4.00	20.750	83.00
CoMET, CONST, ENV, SWPPP MASONRY OBSERVATION	M22-010563	2.50	71.500	178.75
CoMET, CONST, ENV, SWPPP VEHICLE TRAVEL CHARGE	M22-010563	1.00	53.000	53.00
			<b>SUBTOTAL</b>	<b>314.75</b>
02/22/2022				
CoMET, CONST, ENV, SWPPP VEHICLE TRAVEL CHARGE	M22-010562	1.00	53.000	53.00
CoMET, CONST, ENV, SWPPP TECH TIME CASTING PICK UP SPEC	M22-010562	1.50	56.000	84.00
			<b>SUBTOTAL</b>	<b>137.00</b>
02/24/2022				
CoMET, CONST, ENV, SWPPP				

\* 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 :**  
3/21/2022

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

**SALARY / EXPENSE DETAILED BACKUP**

DESCRIPTION	REMARKS	QUANTITY	RATE	AMOUNT
FIELD DENSITY TEST-BUILDING PAD	M22-010617	2.00	24.000	48.00
CoMET, CONST, ENV, SWPPP TECH TIME-DENSITY TESTING-BUILDING PAD	M22-010617	2.00	56.000	112.00
CoMET, CONST, ENV, SWPPP VEHICLE TRAVEL CHARGE	M22-010617	1.00	53.000	53.00
			<b>SUBTOTAL</b>	<b>213.00</b>
02/28/2022				
CoMET, CONST, ENV, SWPPP FIELD DENSITY TEST-BUILDING PAD	M22-010665	1.00	24.000	24.00
CoMET, CONST, ENV, SWPPP TECH TIME-DENSITY TESTING-BUILDING PAD	M22-010665	2.00	56.000	112.00
CoMET, CONST, ENV, SWPPP VEHICLE TRAVEL CHARGE	M22-010665	1.00	53.000	53.00
			<b>SUBTOTAL</b>	<b>189.00</b>
03/02/2022				
CoMET, CONST, ENV, SWPPP MORTAR/GROUT COMPR STR TESTS	M22-010690	6.00	20.750	124.50
CoMET, CONST, ENV, SWPPP VEHICLE TRAVEL CHARGE	M22-010690	1.00	53.000	53.00
CoMET, CONST, ENV, SWPPP TECH TIME-CONCRETE TESTING	M22-010690	2.00	56.000	112.00
CoMET, CONST, ENV, SWPPP VEHICLE TRAVEL CHARGE	M22-010691	1.00	53.000	53.00
CoMET, CONST, ENV, SWPPP VEHICLE TRAVEL CHARGE	M22-010694	1.00	53.000	53.00
CoMET, CONST, ENV, SWPPP FIELD DENSITY TEST-BUILDING PAD	M22-010691	1.00	24.000	24.00
CoMET, CONST, ENV, SWPPP TECH TIME-DENSITY TESTING-BUILDING PAD	M22-010691	2.00	56.000	112.00
CoMET, CONST, ENV, SWPPP FIELD DENSITY TEST-BUILDING PAD	M22-010691	1.00	24.000	24.00
CoMET, CONST, ENV, SWPPP TECH TIME-DENSITY TESTING-BUILDING PAD	M22-010691	2.00	56.000	112.00
			<b>SUBTOTAL</b>	<b>667.50</b>

\* 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 :**  
3/21/2022

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

**SALARY / EXPENSE DETAILED BACKUP**

DESCRIPTION	REMARKS	QUANTITY	RATE	AMOUNT
03/03/2022				
CoMET, CONST, ENV, SWPPP FIELD DENSITY TEST-BUILDING PAD	M22-010706	1.00	24.000	24.00
CoMET, CONST, ENV, SWPPP TECH TIME-DENSITY TESTING-BUILDING PAD	M22-010706	2.00	56.000	112.00
CoMET, CONST, ENV, SWPPP VEHICLE TRAVEL CHARGE	M22-010706	1.00	53.000	53.00
CoMET, CONST, ENV, SWPPP VEHICLE TRAVEL CHARGE	M22-010720	1.00	53.000	53.00
CoMET, CONST, ENV, SWPPP FIELD DENSITY TEST-BUILDING PAD	M22-010720	1.00	24.000	24.00
CoMET, CONST, ENV, SWPPP TECH TIME-DENSITY TESTING-BUILDING PAD	M22-010720	2.00	56.000	112.00
			<b>SUBTOTAL</b>	<b>378.00</b>
03/04/2022				
CoMET, CONST, ENV, SWPPP TECHNICAL REVIEW & ADMIN	10%	347.38	1.000	347.38
			<b>SUBTOTAL</b>	<b>347.38</b>
			<b>** TOTAL PROJECT AMD2105500</b>	<b><u>3,821.13</u></b>

# 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, 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: 02/04/2022  
 ASSIGNMENT NO.: M22-010364  
 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 40' N and 30' W from the NW corner of Building Pad	3	8th / 12"	19.6	106.4	99.3	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.

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

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

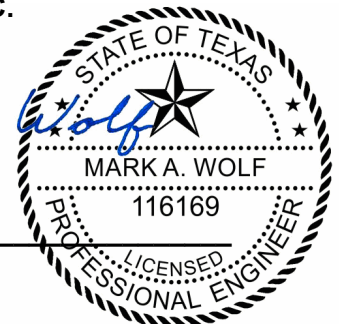
COPIES TO: Above (1)

- Glinda.pacheco@co.hidalgo.tx.us (1)
- Oscar.villarreal@co.hidalgo.tx.us (1)
- Jaime.cortez@co.hidalgo.tx.us (1)
- Leticia.saenz@co.hidalgo.tx.us (1)
- Nick.perez@co.hidalgo.tx.us (1)
- Pm3@econgroup.us (1)
- genriquez@econgroup.us (1)
- davidr@b2zeng.com (1)
- karina@b2zeng.com (1)

**RABA KISTNER, INC.**

*Mark Wolf*

BY: \_\_\_\_\_  
 02/07/2022



Updated By: EFM 2/7/2022 1:29:11PM

Reviewed By: EFM 2/7/2022 1:29:13PM



# OBSERVATION REPORT

## Masonry Observation Report



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 OBSERVATION: 02/11/2022  
ASSIGNMENT NO.: M22-010441  
SHEET NUMBER: 1 of 1  
REPORT VERSION: A  
TECHNICIAN: ROGELIO DELGADO

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

11:00 am Arrived at Project Site

General Contractor: ECON

Masonry Contractor: Valley Masonry Tile Plaster

Superintendent/Foreman: Mr. Simon Alonzo

Weather Conditions: 68F

On this date, a member of our technical staff conducted an observation of the masonry operations at the above referenced site. The following items were observed:

#### I Placement of Concrete Masonry Units

- A. Masonry units placed this date were not wetted prior to placement.
- B. Cells of units to be grouted were free of excessive mortar droppings.
- C. Mortar projections within cells to be grouted were not excessive.

#### II Placement of Reinforcement and Grout

- A. Vertical reinforcing observed this date did conform to the project requirements for size, spacing, and lap lengths.
- B. Horizontal reinforcing observed this date did conform to the project requirements.
- C. Grout placement observed this date did conform to the project requirements for slump and height of grout placement.

#### III Locations Observed:

##### New Justice Center Building:

- All exterior walls, except a middle portion along the South Wall: Approximately 6 unit cells above finished floor.
- East half of Interior walls: Approximately 6 unit cells above finished floor.

Mr. Simon Alonzo with ECON was notified of field observations.

12:00 pm Departed Project Site

NOTICE: Raba Kistner, 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, Inc.

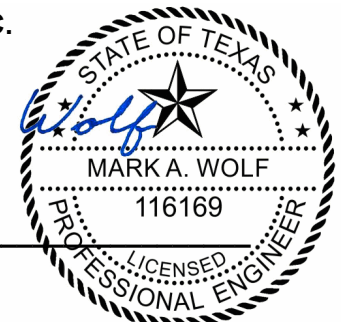
#### COPIES TO: Above (1)

Glinda.pacheco@co.hidalgo.tx.us(1)  
Oscar.villarreal@co.hidalgo.tx.us(1)  
Jaime.cortez@co.hidalgo.tx.us(1)  
Leticia.saenz@co.hidalgo.tx.us(1)  
Nick.perez@co.hidalgo.tx.us(1)  
Pm3@econgroup.us(1)  
genriquez@econgroup.us(1)  
davidr@b2zeng.com(1)  
karina@b2zeng.com(1)

RABA KISTNER, INC.

*Mark Wolf*

BY: \_\_\_\_\_  
02/15/2022



# LABORATORY TEST REPORT



## Compressive Strength Test

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  
 CAST DATE: 02/11/2022  
 ASSIGNMENT NO.: M22-010443  
 REPORT VERSION: A  
 SHEET NUMBER: 1 of 1  
 TECHNICIAN: ROGELIO DELGADO

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

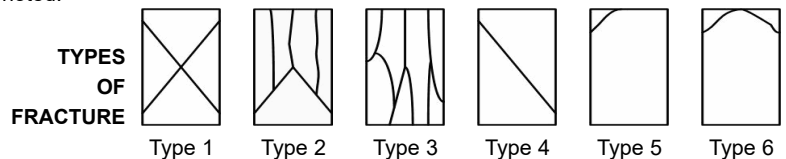
**PLACEMENT LOCATION: New Justice Center: All Exterior Walls (Except along the South Middle Portion), East Half Interior Walls, Approximately 20' N Along the East Exterior Wall from the SE Corner: 6 Unit Cells Above Finished Floor**

SET INDEX: Set 1 of 1

SUPPLIER:	Central Ready Mix	BATCH TIME:	10:28 AM	AIR CONTENT (%):	NA
TRUCK NO:	308	SAMPLE TIME:	11:30 AM	UNIT WEIGHT (pcf):	ND
TICKET NO:	561806	SAMPLE TEMP. (°F):	77	FIELD CURED (day):	1
SAMPLED AT (cu yds):	9	AMBIENT TEMP. (°F):	68	SAMPLE TYPE:	Grout Prism
DESIGN STR.(psi):	3,000	SLUMP (in.):	8.00	SAMPLE SIZE(in.):	Variable
PRODUCT NO.:	BEAMSR3000	CLASS:	NP	WATER ADDED:	0
PLANT NUMBER:	001			RECEIVED DATE:	

SPECIMEN NUMBER	DATE OF TEST	AGE (days)	LOAD (lbs)	DIAMETER (in)	AREA (in. <sup>2</sup> )	STRENGTH (psi)	PERCENT OF DESIGN	FRACTURE TYPE	TESTED BY
1	02/18/2022	7	47,680	NA	15.74	3,030	101	Type 3	R. Pinera
2	02/18/2022	7	44,700	NA	13.04	3,430	114	Type 3	R. Pinera
3	03/11/2022	28	58,800	NA	14.79	3,980	133	Type 3	R. Pinera
4	03/11/2022	28	54,410	NA	13.34	4,080	136	Type 3	R. Pinera

NOTE: Some information on this test report provided by others. Testing and reporting was conducted in general accordance with the following applicable A.S.T.M. references: C1019, unless otherwise noted.



\* - Indicates noncompliance with specifications.

REMARKS: Mr. David Rivera with B2Z Engineering was notified of field test results. ND-Not Determined; NP-Not Provided; NA-Not Applicable.

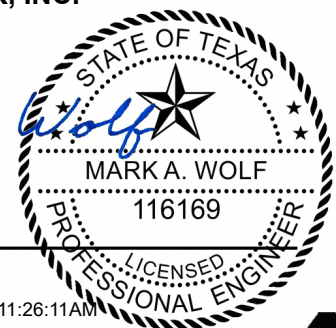
NOTICE: Raba Kistner, Inc. considers the data and information contained in this report to be proprietary. This information is intended only for the use of the recipient(s) named herein. Test results presented herein relate only to those items tested. This document and any information contained herein 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, Inc.

COPIES TO: Above (1)

- Glinda.pacheco@co.hidalgo.tx.us(1)
- Oscar.villarreal@co.hidalgo.tx.us(1)
- Jaime.cortez@co.hidalgo.tx.us(1)
- Leticia.saenz@co.hidalgo.tx.us(1)
- Nick.perez@co.hidalgo.tx.us(1)
- Pm3@econgroupp.us(1)
- genriquez@econgroupp.us(1)
- davidr@b2zeng.com(1)
- karina@b2zeng.com(1)

**RABA KISTNER, INC.**

*Mark Wolf*



BY: \_\_\_\_\_  
 03/16/2022



Updated By: IG 3/15/2022 10:15:47AM

Reviewed By: EFM 3/15/2022 11:26:11AM



# 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, 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: 02/14/2022  
 ASSIGNMENT NO.: M22-010447  
 REPORT VERSION: A  
 SHEET NUMBER: 1 of 1  
 TECHNICIAN: VICTOR SALINAS III

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO. /DEPTH	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
	<u>8" Diameter - PVC Sewer line North section of project site</u>						
1	About 20' W on centerline of trench off of NE manhole	7	1st/12"	16.8	112.0	103.1	Yes
2	About 150' W on centerline of trench off of NE manhole	7	1st/12"	17.0	108.1	99.5	Yes
3	About 60' E on centerline of trench off of NW manhole	7	1st/12"	17.4	111.5	102.7	Yes

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
7	Brown Sandy Lean Clay (Backfill Material) (PI:20)	17.4	108.6	15.4-19.4	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-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

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

COPIES TO: Above (1)

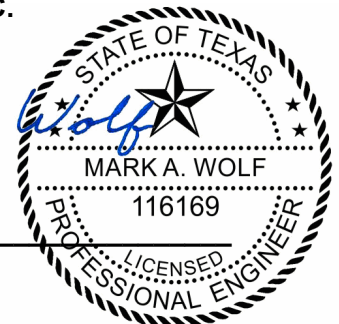
- Glinda.pacheco@co.hidalgo.tx.us (1)
- Oscar.villarreal@co.hidalgo.tx.us (1)
- Jaime.cortez@co.hidalgo.tx.us (1)
- Leticia.saenz@co.hidalgo.tx.us (1)
- Nick.perez@co.hidalgo.tx.us (1)
- Pm3@econgroup.us (1)
- genriquez@econgroup.us (1)
- davidr@b2zeng.com (1)
- karina@b2zeng.com (1)

Updated By: MW 2/15/2022 9:11:19PM

**RABA KISTNER, INC.**

*Mark Wolf*

BY: \_\_\_\_\_  
 02/15/2022



# 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: 02/14/2022  
 ASSIGNMENT NO.: M22-010454  
 REPORT VERSION: A  
 SHEET NUMBER: 1 of 1  
 TECHNICIAN: VICTOR SALINAS III

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO. /DEPTH	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
	<u>8" Diameter - PVC Sewer line North section of project site</u>						
1	About 30' W on centerline of trench off of NE manhole	7	2nd/12"	17.5	105.2	96.9	Yes
2	About 150' W on centerline of trench off of NE manhole	7	2nd/12"	16.4	109.1	100.5	Yes
3	About 75' E on centerline of trench off of NW corner manhole	7	2nd/12"	17.4	108.7	100.1	Yes

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
7	Brown Sandy Lean Clay (Backfill Material) (PI:20)	17.4	108.6	15.4-19.4	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-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

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

COPIES TO: Above (1)

- Glinda.pacheco@co.hidalgo.tx.us (1)
- Oscar.villarreal@co.hidalgo.tx.us (1)
- Jaime.cortez@co.hidalgo.tx.us (1)
- Leticia.saenz@co.hidalgo.tx.us (1)
- Nick.perez@co.hidalgo.tx.us (1)
- Pm3@econgroup.us (1)
- genriquez@econgroup.us (1)
- davidr@b2zeng.com (1)
- karina@b2zeng.com (1)

**RABA KISTNER, INC.**

*Mark Wolf*

BY: \_\_\_\_\_  
 02/15/2022



Updated By: MW 2/15/2022 9:09:18PM

Reviewed By: EFM 2/15/2022 1:47:42PM



# 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: 02/15/2022  
 ASSIGNMENT NO.: M22-010465  
 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>8" Diameter Sewer Line (Northside)</u>						
1	About 55' N and 50' E from the NE corner of Building Pad	7	Final / 12"	17.8	108.0	99.4	Yes
2	About 55' N and 100' E from the NE corner of Building Pad	7	Final / 12"	16.5	107.2	98.7	Yes

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
7	Brown Sandy Lean Clay (Backfill Material) (PI:20)	17.4	108.6	15.4-19.4	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-1071 /7531      **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

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

COPIES TO: Above (1)

- Glinda.pacheco@co.hidalgo.tx.us (1)
- Oscar.villarreal@co.hidalgo.tx.us (1)
- Jaime.cortez@co.hidalgo.tx.us (1)
- Leticia.saenz@co.hidalgo.tx.us (1)
- Nick.perez@co.hidalgo.tx.us (1)
- Pm3@econgroup.us (1)
- genriquez@econgroup.us (1)
- davidr@b2zeng.com (1)
- karina@b2zeng.com (1)

**RABA KISTNER, INC.**

*Mark Wolf*

BY: \_\_\_\_\_  
 02/15/2022



Updated By: EFM 2/15/2022 1:48:32PM

Reviewed By: EFM 2/15/2022 1:48:34PM



# LABORATORY TEST REPORT



## Compressive Strength Test

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

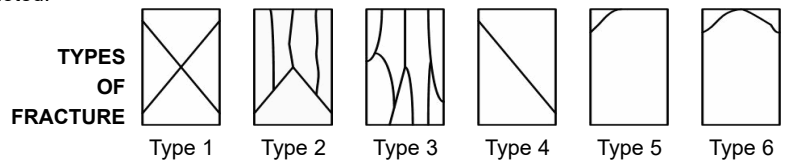
PROJECT NO.: AMD21-055-00  
 CAST DATE: 02/15/2022  
 ASSIGNMENT NO.: M22-010466  
 REPORT VERSION: A  
 SHEET NUMBER: 1 of 1  
 TECHNICIAN: ROGELIO DELGADO

**PROJECT: Hidalgo County Pct. 4 - New Justice Center - Edinburg, Hidalgo County, Texas**  
**PLACEMENT LOCATION: New Justice Center Building - North and West Walls, About 24' W Along the North Wall from the NE Corner: Approximately 8 Unit Cells Above Finished Floor**

SET INDEX: Set 1 of 1  
 SUPPLIER: Alamo Masonry Cement BATCH TIME: 11:40 AM AIR CONTENT (%): NA  
 TRUCK NO: NA SAMPLE TIME: 11:50 AM UNIT WEIGHT (pcf): ND  
 TICKET NO: NA SAMPLE TEMP. (°F): 75 FIELD CURED (day): 1  
 SAMPLED AT (cu yds): 0.1 AMBIENT TEMP. (°F): 70 SAMPLE TYPE: Mortar Cube  
 DESIGN STR.(psi): 1,800 SLUMP (in.): NA SAMPLE SIZE(in.): 2 x 2  
 PRODUCT NO.: Type S CLASS: NA WATER ADDED: 0  
 PLANT NUMBER: On-site Mi: RECEIVED DATE:

SPECIMEN NUMBER	DATE OF TEST	AGE (days)	LOAD (lbs)	DIAMETER (in)	AREA (in. <sup>2</sup> )	STRENGTH (psi)	PERCENT OF DESIGN	FRACTURE TYPE	TESTED BY
1	02/22/2022	7	14,370	NA	4.00	3,590	199	Type 3	R. Pinera
2	02/22/2022	7	15,110	NA	4.00	3,780	210	Type 3	R. Pinera
3	02/22/2022	7	14,810	NA	4.00	3,700	206	Type 3	R. Pinera
4	03/15/2022	28	25,560	NA	4.00	6,390	355	Type 3	R. Pinera
5	03/15/2022	28	26,020	NA	4.00	6,510	362	Type 3	R. Pinera
6	03/15/2022	28	23,380	NA	4.00	5,850	325	Type 3	R. Pinera

NOTE: Some information on this test report provided by others. Testing and reporting was conducted in general accordance with the following applicable A.S.T.M. references: C109, unless otherwise noted.



\* - Indicates noncompliance with specifications.

REMARKS: Mr. David Rivera with B2Z Engineering was notified of field test results. ND-Not Determined; NP-Not Provided; NA-Not Applicable.

NOTICE: Raba Kistner, 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, Inc.

COPIES TO: Above (1)

- Glinda.pacheco@co.hidalgo.tx.us(1)
- Oscar.villarreal@co.hidalgo.tx.us(1)
- Jaime.cortez@co.hidalgo.tx.us(1)
- Leticia.saenz@co.hidalgo.tx.us(1)
- Nick.perez@co.hidalgo.tx.us(1)
- Pm3@econgroupp.us(1)
- genriquez@econgroupp.us(1)
- davidr@b2zeng.com(1)
- karina@b2zeng.com(1)

RABA KISTNER, INC.

*Mark Wolf*

BY: \_\_\_\_\_  
 03/17/2022



Updated By: IG 3/17/2022 9:41:34AM



# LABORATORY TEST REPORT



## Compressive Strength Test

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  
 CAST DATE: 02/21/2022  
 ASSIGNMENT NO.: M22-010562  
 REPORT VERSION: A  
 SHEET NUMBER: 1 of 1  
 TECHNICIAN: RAFAEL THRASH

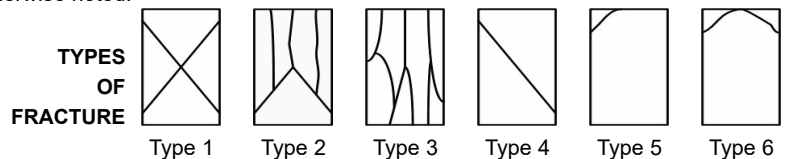
**PROJECT: Hidalgo County Pct. 4 - New Justice Center - Edinburg, Hidalgo County, Texas**

**PLACEMENT LOCATION: All Interior and Exterior Walls, 11 Courses High, Except the East Middle Portion at 5 Courses High Above Finished Floor Elevation**

SET INDEX: Set 1 of 1  
 SUPPLIER: Central Ready Mix BATCH TIME: 12:20 PM AIR CONTENT (%): NA  
 TRUCK NO: 271 SAMPLE TIME: 1:25 PM UNIT WEIGHT (pcf): ND  
 TICKET NO: 562167 SAMPLE TEMP. (°F): 76 FIELD CURED (day): 1  
 SAMPLED AT (cu yds): 8 AMBIENT TEMP. (°F): 84 SAMPLE TYPE: Grout Prism  
 DESIGN STR.(psi): 3,000 SLUMP (in.): 5.00 SAMPLE SIZE(in.): Variable  
 PRODUCT NO.: Beam Mix 3000 PSI CLASS: NA WATER ADDED: 20  
 PLANT NUMBER: NP RECEIVED DATE:

SPECIMEN NUMBER	DATE OF TEST	AGE (days)	LOAD (lbs)	DIAMETER (in)	AREA (in. <sup>2</sup> )	STRENGTH (psi)	PERCENT OF DESIGN	FRACTURE TYPE	TESTED BY
1	02/28/2022	7	46,160	NA	11.75	3,930	131	Type 3	R. Pinera
2	02/28/2022	7	43,990	NA	11.96	3,680	123	Type 3	R. Pinera
3	03/21/2022	28	65,080	NA	12.31	5,290	176	Type 3	R. Pinera
4	03/21/2022	28	64,180	NA	12.33	5,210	174	Type 3	R. Pinera

NOTE: Some information on this test report provided by others. Testing and reporting was conducted in general accordance with the following applicable A.S.T.M. references: C1019,C1064, unless otherwise noted.



\* - Indicates noncompliance with specifications.

**REMARKS:**Mr. Simon Alonzo with Econ was notified of field test results. ND-Not Determined; NP-Not Provided; NA-Not Applicable.

NOTICE: Raba Kistner, 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, Inc.

COPIES TO: Above (1)

- Glinda.pacheco@co.hidalgo.tx.us(1)
- Oscar.villarreal@co.hidalgo.tx.us(1)
- Jaime.cortez@co.hidalgo.tx.us(1)
- Leticia.saenz@co.hidalgo.tx.us(1)
- Nick.perez@co.hidalgo.tx.us(1)
- Pm3@econgroup.us(1)
- genriquez@econgroup.us(1)
- davidr@b2zeng.com(1)
- karina@b2zeng.com(1)

**RABA KISTNER, INC.**

*Mark Wolf*



BY: \_\_\_\_\_  
 03/23/2022



Updated By: IG 3/21/2022 3:52:26PM



# OBSERVATION REPORT

## Masonry Observation Report



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 OBSERVATION: 02/21/2022  
ASSIGNMENT NO.: M22-010563  
SHEET NUMBER: 1 of 1  
REPORT VERSION: A  
TECHNICIAN: RAFAEL THRASH

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

12:30 pm Arrived at Project Site

General Contractor: ECON

Masonry Contractor: Valley Masonary Tile Plaster

Superintendent/Foreman: Mr. Simon Alonzo

Weather Conditions: 84F

On this date, a member of our technical staff conducted an observation of the masonry operations at the above referenced site. The following items were observed:

#### I Placement of Concrete Masonry Units

- A. Masonry units placed this date were not wetted prior to placement.
- B. Cells of units to be grouted were free of excessive mortar droppings.
- C. Mortar projections within cells to be grouted were not excessive.

#### II Placement of Reinforcement and Grout

- A. Vertical reinforcing observed this date did conform to the project requirements for size, spacing, and lap lengths.
- B. Horizontal reinforcing observed this date did conform to the project requirements.
- C. Grout placement observed this date did conform to the project requirements for slump and height of grout placement.

#### III Locations Observed:

##### All Interior and Exterior Walls

All walls were 11 courses High Except the East middle Portion at 5 courses High

Mr. Simon Alonzo with ECON was notified of field observations.

2:00 pm Departed Project Site

NOTICE: Raba Kistner, 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, Inc.

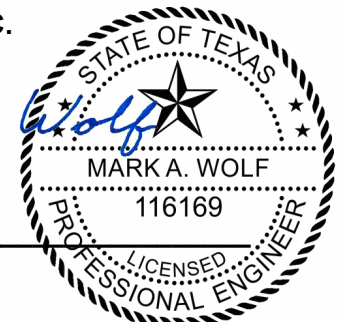
#### COPIES TO: Above (1)

Glinda.pacheco@co.hidalgo.tx.us(1)  
Oscar.villarreal@co.hidalgo.tx.us(1)  
Jaime.cortez@co.hidalgo.tx.us(1)  
Leticia.saenz@co.hidalgo.tx.us(1)  
Nick.perez@co.hidalgo.tx.us(1)  
Pm3@econgroup.us(1)  
genriquez@econgroup.us(1)  
davidr@b2zeng.com(1)  
karina@b2zeng.com(1)

RABA KISTNER, INC.

*Mark Wolf*

BY: \_\_\_\_\_  
02/23/2022



# 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, 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: 02/24/2022  
 ASSIGNMENT NO.: M22-010617  
 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>4" Diameter - Fire Line</u>						
1	About 20' N. and 15' E. From the S.E. Corner of the Building	7	1st / 12"	16.2	104.7	96.4	Yes
2	About 10' S. and 15' E. From the S.E. Corner of the Building	7	1st / 12"	18.6	96.5	88.9*	No

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
7	Brown Sandy Lean Clay (Backfill Material) (PI:20)	17.4	108.6	15.4-19.4	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

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

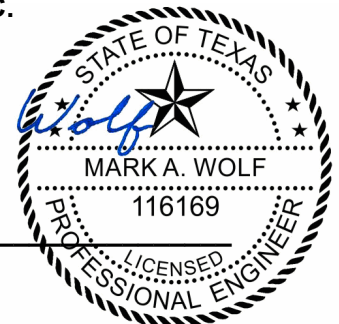
COPIES TO: Above (1)

- Glinda.pacheco@co.hidalgo.tx.us (1)
- Oscar.villarreal@co.hidalgo.tx.us (1)
- Jaime.cortez@co.hidalgo.tx.us (1)
- Leticia.saenz@co.hidalgo.tx.us (1)
- Nick.perez@co.hidalgo.tx.us (1)
- Pm3@econgroup.us (1)
- genriquez@econgroup.us (1)
- davidr@b2zeng.com (1)
- karina@b2zeng.com (1)

**RABA KISTNER, INC.**

*Mark Wolf*

BY: \_\_\_\_\_  
 03/01/2022



Updated By: EFM 2/25/2022 8:52:18AM

Reviewed By: EFM 2/25/2022 8:52:21AM



# 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: 02/28/2022  
 ASSIGNMENT NO.: M22-010665  
 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>4" Diameter Fire Line</u>						
1	About 20' S and 15' E from the SE corner of Building Pad	7	F / 12"	17.1	103.4	95.2	Yes

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
7	Brown Sandy Lean Clay (Backfill Material) (PI:20)	17.4	108.6	15.4-19.4	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-1013 /3769      **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

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

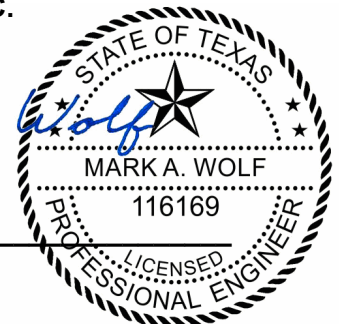
COPIES TO: Above (1)

- Glinda.pacheco@co.hidalgo.tx.us (1)
- Oscar.villarreal@co.hidalgo.tx.us (1)
- Jaime.cortez@co.hidalgo.tx.us (1)
- Leticia.saenz@co.hidalgo.tx.us (1)
- Nick.perez@co.hidalgo.tx.us (1)
- Pm3@econgroup.us (1)
- genriquez@econgroup.us (1)
- davidr@b2zeng.com (1)
- karina@b2zeng.com (1)

**RABA KISTNER, INC.**

*Mark Wolf*

BY: \_\_\_\_\_  
 03/02/2022



Updated By: EFM 3/2/2022 11:18:49AM

Reviewed By: EFM 3/2/2022 11:18:50AM



# LABORATORY TEST REPORT



## Compressive Strength Test

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  
 CAST DATE: 03/02/2022  
 ASSIGNMENT NO.: M22-010690  
 REPORT VERSION: A  
 SHEET NUMBER: 1 of 1  
 TECHNICIAN: RAFAEL THRASH

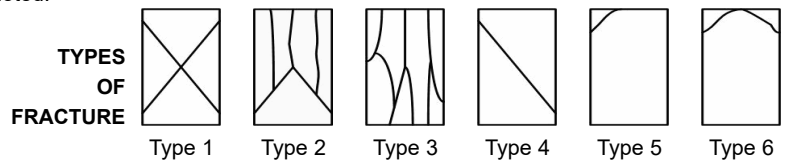
**PROJECT: Hidalgo County Pct. 4 - New Justice Center - Edinburg, Hidalgo County, Texas**

**PLACEMENT LOCATION: Section H (Exterior Wall), 8 Courses Above Finished Floor Elevation**

SET INDEX:	Set 1 of 1	ARRIVE SITE:	9:00	DEPART SITE:	10:00
SUPPLIER:	Valley Masonry	BATCH TIME:	9:05 AM	AIR CONTENT (%):	ND
TRUCK NO:	NA	SAMPLE TIME:	9:15 AM	UNIT WEIGHT (pcf):	ND
TICKET NO:	NA	SAMPLE TEMP. (°F):	60	FIELD CURED (day):	1
SAMPLED AT (cu yds):	NP	AMBIENT TEMP. (°F):	60	SAMPLE TYPE:	Mortar Cube
DESIGN STR.(psi):	1,800	SLUMP (in.):	ND	SAMPLE SIZE(in.):	2 x 2
PRODUCT NO.:	Alamo Masonry Cem	CLASS:	Class S	WATER ADDED:	4
PLANT NUMBER:	NA			RECEIVED DATE:	

SPECIMEN NUMBER	DATE OF TEST	AGE (days)	LOAD (lbs)	DIAMETER (in)	AREA (in. <sup>2</sup> )	STRENGTH (psi)	PERCENT OF DESIGN	FRACTURE TYPE	TESTED BY
1	03/09/2022	7	15,420	NA	4.00	3,860		Type 3	R. Pinera
2	03/09/2022	7	16,280	NA	4.00	4,070		Type 3	R. Pinera
3	03/09/2022	7	15,970	NA	4.00	3,990		Type 3	R. Pinera
4	03/30/2022	28							
5	03/30/2022	28							
6	03/30/2022	28							

NOTE: Some information on this test report provided by others. Testing and reporting was conducted in general accordance with the following applicable A.S.T.M. references: C109, unless otherwise noted.



\* - Indicates noncompliance with specifications.

REMARKS: Mr. Simon Alonzo with ECCON was notified of field test results. ND-Not Determined; NP-Not Provided; NA-Not Applicable.

NOTICE: Raba Kistner, 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, Inc.

COPIES TO: Above (1)

- Glinda.pacheco@co.hidalgo.tx.us(1)
- Oscar.villarreal@co.hidalgo.tx.us(1)
- Jaime.cortez@co.hidalgo.tx.us(1)
- Leticia.saenz@co.hidalgo.tx.us(1)
- Nick.perez@co.hidalgo.tx.us(1)
- Pm3@econgroup.us(1)
- genriquez@econgroup.us(1)
- davidr@b2zeng.com(1)
- karina@b2zeng.com(1)

**RABA KISTNER, INC.**

BY: \_\_\_\_\_



Updated By: rthrash 3/11/2022 4:12:18PM



# 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, 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: 03/02/2022  
 ASSIGNMENT NO.: M22-010691  
 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 - Primary Electrical Trench (Green Area)						
1	About 25' N And 35' E From the NE Corner of the Building	8	2nd / 12"	17.6	107.9	100.7	Yes

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
8	Brown Sandy Lean Clay (Backfill Material) (PI:12)	18.0	107.2	16-20	90	ASTM D 698 Method A

**REFERENCE: UTILITY - BACKFILL**

**FIELD TEST PROCEDURE:** ASTM D 6938      **PERSON NOTIFIED:** Mr. Simon Alonso      **CONTRACTOR:** ECCON  
**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

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

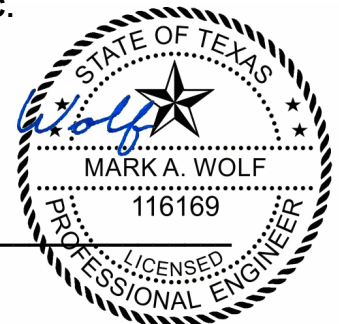
COPIES TO: Above (1)

- Glinda.pacheco@co.hidalgo.tx.us (1)
- Oscar.villarreal@co.hidalgo.tx.us (1)
- Jaime.cortez@co.hidalgo.tx.us (1)
- Leticia.saenz@co.hidalgo.tx.us (1)
- Nick.perez@co.hidalgo.tx.us (1)
- Pm3@ecogroup.us (1)
- genriquez@ecogroup.us (1)
- davidr@b2zeng.com (1)
- karina@b2zeng.com (1)

**RABA KISTNER, INC.**

*Mark Wolf*

BY: \_\_\_\_\_  
 03/04/2022



Updated By: EFM 3/3/2022 10:21:16AM

Reviewed By: EFM 3/3/2022 10:21:21AM



# 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: 03/02/2022  
ASSIGNMENT NO.: M22-010694  
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>4" Diameter - Primary Electrical Line (Green Area)</u>						
1	About 25' N And 35' E From the NE Corner of the Building	8	1st / 12"	18.6	100.2	93.5	Yes

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
8	Brown Sandy Lean Clay (Backfill Material) (PI:12)	18.0	107.2	16-20	90	ASTM D 698 Method A

**REFERENCE: UTILITY - BACKFILL**

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

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

COPIES TO: Above (1)

- Glinda.pacheco@co.hidalgo.tx.us (1)
- Oscar.villarreal@co.hidalgo.tx.us (1)
- Jaime.cortez@co.hidalgo.tx.us (1)
- Leticia.saenz@co.hidalgo.tx.us (1)
- Nick.perez@co.hidalgo.tx.us (1)
- Pm3@ecogroup.us (1)
- genriquez@ecogroup.us (1)
- davidr@b2zeng.com (1)
- karina@b2zeng.com (1)

**RABA KISTNER, INC.**

*Mark Wolf*

BY: \_\_\_\_\_  
03/04/2022



Updated By: EFM 3/3/2022 10:20:58AM

Reviewed By: EFM 3/3/2022 10:21:03AM



# 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, 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  
 DATE OF TEST: 03/03/2022  
 ASSIGNMENT NO.: M22-010706  
 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>4" Diameter - Primary Electrical Trench</u>						
1	About 25' N And 35' E From the NE Corner of the Building	3	3rd Lift	17.2	103.0	96.1	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-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  
 \* - Indicates noncompliance with specifications. # - Indicates a RETEST

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

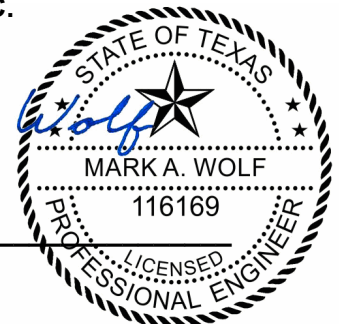
COPIES TO: Above (1)

- Glinda.pacheco@co.hidalgo.tx.us (1)
- Oscar.villarreal@co.hidalgo.tx.us (1)
- Jaime.cortez@co.hidalgo.tx.us (1)
- Leticia.saenz@co.hidalgo.tx.us (1)
- Nick.perez@co.hidalgo.tx.us (1)
- Pm3@econgroup.us (1)
- genriquez@econgroup.us (1)
- davidr@b2zeng.com (1)
- karina@b2zeng.com (1)

**RABA KISTNER, INC.**

*Mark Wolf*

BY: \_\_\_\_\_  
 03/06/2022



Updated By: EFM 3/4/2022 9:29:44AM

Reviewed By: EFM 3/4/2022 9:29:51AM



# 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, 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: 03/03/2022  
 ASSIGNMENT NO.: M22-010720  
 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>4" Diameter - Primary Electrical Line</u>						
1	About 25' N and 35' E from the NE Corner	3	Final / 12"	16.9	102.1	95.2	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 Alonzo      **CONTRACTOR:** ECCON  
**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

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

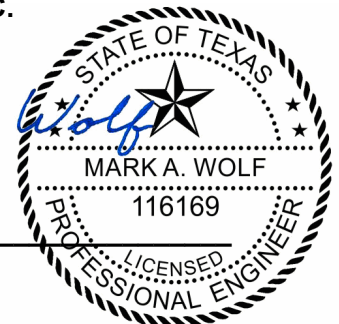
COPIES TO: Above (1)

- Glinda.pacheco@co.hidalgo.tx.us (1)
- Oscar.villarreal@co.hidalgo.tx.us (1)
- Jaime.cortez@co.hidalgo.tx.us (1)
- Leticia.saenz@co.hidalgo.tx.us (1)
- Nick.perez@co.hidalgo.tx.us (1)
- Pm3@ecogroup.us (1)
- genriquez@ecogroup.us (1)
- davidr@b2zeng.com (1)
- karina@b2zeng.com (1)

**RABA KISTNER, INC.**

*Mark Wolf*

BY: \_\_\_\_\_  
 03/06/2022



Updated By: EFM 3/4/2022 9:49:01AM

Reviewed By: EFM 3/4/2022 9:49:04AM

