

CONSULTANTS * ENVIRONMENTAL * FACILITIES * INFRASTRUCTURE

BILLING DATE :
1/7/2022

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: 12/31/2021

SERVICE DATE	11/03/2021	213.00
SERVICE DATE	11/08/2021	213.00
SERVICE DATE	11/10/2021	189.00
SERVICE DATE	11/15/2021	237.00
SERVICE DATE	11/16/2021	498.00
SERVICE DATE	11/17/2021	570.00
SERVICE DATE	11/30/2021	133.00
SERVICE DATE	12/01/2021	237.00
SERVICE DATE	12/02/2021	402.00
SERVICE DATE	12/14/2021	567.00
SERVICE DATE	12/17/2021	871.00
SERVICE DATE	12/18/2021	242.00
SERVICE DATE	12/30/2021	594.00
SERVICE DATE	12/31/2021	496.60

AMOUNT DUE THIS INVOICE ** 5,462.60

THIS IS AN INTERIM INVOICE UNLESS OTHERWISE NOTED

BILLING DATE :
1/7/2022

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	\$ 5,462.60
Total of Previous Invoices - Currently Unpaid	<u>3,164.98</u>
Total Due And Payable	\$ 8,627.58

BILLING DATE : 1/7/2022
PROJECT : AMD2105500 A11563
 Hidalgo County Pct. 4 - New Justice
 Hidalgo County Precinct 4

SALARY / EXPENSE DETAILED BACKUP

DESCRIPTION	REMARKS	QUANTITY	RATE	AMOUNT
11/03/2021				
CMT FIELD & LABORATORY TESTING				
FIELD DENSITY	M21-013167	2.00	24.000	48.00
TEST-BUILDING PAD				
CMT FIELD & LABORATORY TESTING				
TECH TIME-DENSITY	M21-013167	2.00	56.000	112.00
TESTING-BUILDING PAD				
CMT FIELD & LABORATORY TESTING				
VEHICLE TRAVEL	M21-013167	1.00	53.000	53.00
CHARGE				
			SUBTOTAL	213.00
11/08/2021				
CMT FIELD & LABORATORY TESTING				
FIELD DENSITY	M21-013193	2.00	24.000	48.00
TEST-BUILDING PAD				
CMT FIELD & LABORATORY TESTING				
TECH TIME-DENSITY	M21-013193	2.00	56.000	112.00
TESTING-BUILDING PAD				
CMT FIELD & LABORATORY TESTING				
VEHICLE TRAVEL	M21-013193	1.00	53.000	53.00
CHARGE				
			SUBTOTAL	213.00
11/10/2021				
CMT FIELD & LABORATORY TESTING				
FIELD DENSITY	M21-013232	1.00	24.000	24.00
TEST-UTILITY-WATER				
LINE				
CMT FIELD & LABORATORY TESTING				
TECHNICIAN	M21-013232	2.00	56.000	112.00
TIME-DENISTY				
TESTING-WATER LINE				
CMT FIELD & LABORATORY TESTING				
VEHICLE TRAVEL	M21-013232	1.00	53.000	53.00
CHARGE				
			SUBTOTAL	189.00
11/15/2021				
CMT FIELD & LABORATORY TESTING				
FIELD DENSITY	M21-013265	3.00	24.000	72.00
TEST-UTILITY-WATER				
LINE				
CMT FIELD & LABORATORY TESTING				
TECHNICIAN	M21-013265	2.00	56.000	112.00
TIME-DENISTY				
TESTING-WATER LINE				
CMT FIELD & LABORATORY TESTING				
VEHICLE TRAVEL	M21-013265	1.00	53.000	53.00
CHARGE				
			SUBTOTAL	237.00

* 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 :
1/7/2022

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

SALARY / EXPENSE DETAILED BACKUP

DESCRIPTION	REMARKS	QUANTITY	RATE	AMOUNT
11/16/2021				
CMT FIELD & LABORATORY TESTING				
FIELD DENSITY	M21-013268	1.00	24.000	24.00
TEST-PAVEMENT SECTION				
CMT FIELD & LABORATORY TESTING				
TECH TIME-DENSITY	M21-013268	2.00	56.000	112.00
TESTING PAVEMENT SECTION				
CMT FIELD & LABORATORY TESTING				
VEHICLE TRAVEL	M21-013268	1.00	53.000	53.00
CHARGE				
CMT FIELD & LABORATORY TESTING				
VEHICLE TRAVEL	M21-013305	1.00	53.000	53.00
CHARGE				
CMT FIELD & LABORATORY TESTING				
FIELD DENSITY	M21-013305	6.00	24.000	144.00
TEST-BUILDING PAD				
CMT FIELD & LABORATORY TESTING				
TECH TIME-DENSITY	M21-013305	2.00	56.000	112.00
TESTING-BUILDING PAD				
			SUBTOTAL	498.00
11/17/2021				
CMT FIELD & LABORATORY TESTING				
FIELD DENSITY	M21-013310	7.00	24.000	168.00
TEST-BUILDING PAD				
CMT FIELD & LABORATORY TESTING				
TECH TIME-DENSITY	M21-013310	2.00	56.000	112.00
TESTING-BUILDING PAD				
CMT FIELD & LABORATORY TESTING				
VEHICLE TRAVEL	M21-013310	1.00	53.000	53.00
CHARGE				
CMT FIELD & LABORATORY TESTING				
FIELD DENSITY	M21-013312	3.00	24.000	72.00
TEST-BUILDING PAD				
CMT FIELD & LABORATORY TESTING				
TECH TIME-DENSITY	M21-013312	2.00	56.000	112.00
TESTING-BUILDING PAD				
CMT FIELD & LABORATORY TESTING				
VEHICLE TRAVEL	M21-013312	1.00	53.000	53.00
CHARGE				
			SUBTOTAL	570.00
11/30/2021				
CMT FIELD & LABORATORY TESTING				
VEHICLE TRAVEL	M21-013355	1.00	53.000	53.00
CHARGE				
CMT FIELD & LABORATORY TESTING				
FIELD DENSITY	M21-013355	1.00	24.000	24.00
TEST-SANITARY SEWER				
CMT FIELD & LABORATORY TESTING				

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AP Jan-22

PLEASE PAY FROM THIS INVOICE.

BILLING DATE :
1/7/2022

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

SALARY / EXPENSE DETAILED BACKUP

DESCRIPTION	REMARKS	QUANTITY	RATE	AMOUNT
TECHNICIAN TIME-DENSITY TESTING-SANTARY SEWER	M21-013355	1.00	56.000	56.00
SUBTOTAL				133.00
12/01/2021				
CMT FIELD & LABORATORY TESTING FIELD DENSITY TEST-BUILDING PAD	M21-013393	3.00	24.000	72.00
CMT FIELD & LABORATORY TESTING TECH TIME-DENSITY TESTING-BUILDING PAD	M21-013393	2.00	56.000	112.00
CMT FIELD & LABORATORY TESTING VEHICLE TRAVEL CHARGE	M21-013393	1.00	53.000	53.00
SUBTOTAL				237.00
12/02/2021				
CMT FIELD & LABORATORY TESTING FIELD DENSITY TEST-BUILDING PAD	M21-013394	1.00	24.000	24.00
CMT FIELD & LABORATORY TESTING TECH TIME-DENSITY TESTING-BUILDING PAD	M21-013394	2.00	56.000	112.00
CMT FIELD & LABORATORY TESTING VEHICLE TRAVEL CHARGE	M21-013394	1.00	53.000	53.00
CMT FIELD & LABORATORY TESTING FIELD DENSITY TEST-BUILDING PAD	M21-013402	2.00	24.000	48.00
CMT FIELD & LABORATORY TESTING TECH TIME-DENSITY TESTING-BUILDING PAD	M21-013402	2.00	56.000	112.00
CMT FIELD & LABORATORY TESTING VEHICLE TRAVEL CHARGE	M21-013402	1.00	53.000	53.00
SUBTOTAL				402.00
12/14/2021				
CMT FIELD & LABORATORY TESTING FIELD DENSITY TEST-BUILDING PAD	M21-013509	1.00	24.000	24.00
CMT FIELD & LABORATORY TESTING TECH TIME-DENSITY TESTING-BUILDING PAD	M21-013509	2.00	56.000	112.00
CMT FIELD & LABORATORY TESTING VEHICLE TRAVEL CHARGE	M21-013509	1.00	53.000	53.00
CMT FIELD & LABORATORY TESTING FIELD DENSITY TEST-BUILDING PAD	M21-013525	1.00	24.000	24.00

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 Hidalgo County Precinct 4

SALARY / EXPENSE DETAILED BACKUP

DESCRIPTION	REMARKS	QUANTITY	RATE	AMOUNT
CMT FIELD & LABORATORY TESTING				
TECH TIME-DENSITY	M21-013525	2.00	56.000	112.00
TESTING-BUILDING PAD				
CMT FIELD & LABORATORY TESTING				
VEHICLE TRAVEL	M21-013525	1.00	53.000	53.00
CHARGE				
CMT FIELD & LABORATORY TESTING				
FIELD DENSITY	M21-013526	1.00	24.000	24.00
TEST-BUILDING PAD				
CMT FIELD & LABORATORY TESTING				
TECH TIME-DENSITY	M21-013526	2.00	56.000	112.00
TESTING-BUILDING PAD				
CMT FIELD & LABORATORY TESTING				
VEHICLE TRAVEL	M21-013526	1.00	53.000	53.00
CHARGE				
			SUBTOTAL	567.00
12/17/2021				
CMT FIELD & LABORATORY TESTING				
CONCRETE CYLINDER	M21-013552	20.00	17.500	350.00
CMT FIELD & LABORATORY TESTING				
VEHICLE TRAVEL	M21-013552	1.00	53.000	53.00
CHARGE				
CMT FIELD & LABORATORY TESTING				
AIR CONTENT	M21-013552	4.00	33.000	132.00
CMT FIELD & LABORATORY TESTING				
TECH-TIME OVERTIME	M21-013552	4.00	84.000	336.00
			SUBTOTAL	871.00
12/18/2021				
CMT FIELD & LABORATORY TESTING				
TECH-TIME OVERTIME	M21-013552	2.25	84.000	189.00
CMT FIELD & LABORATORY TESTING				
VEHICLE TRAVEL	M21-013552	1.00	53.000	53.00
CHARGE				
			SUBTOTAL	242.00
12/30/2021				
CMT FIELD & LABORATORY TESTING				
FIELD DENSITY	M21-013613	5.00	24.000	120.00
TEST-UTILITY-WATER				
LINE				
CMT FIELD & LABORATORY TESTING				
TECHNICIAN	M21-013613	2.00	56.000	112.00
TIME-DENISTY				
TESTING-WATER LINE				
CMT FIELD & LABORATORY TESTING				
VEHICLE TRAVEL	M21-013613	1.00	53.000	53.00
CHARGE				
CMT FIELD & LABORATORY TESTING				

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BILLING DATE :
1/7/2022

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-UTILITY-WATER LINE	M21-013620	6.00	24.000	144.00
CMT FIELD & LABORATORY TESTING TECHNICIAN	M21-013620	2.00	56.000	112.00
TIME-DENISTY TESTING-WATER LINE				
CMT FIELD & LABORATORY TESTING VEHICLE TRAVEL	M21-013620	1.00	53.000	53.00
CHARGE				
			SUBTOTAL	594.00
12/31/2021				
CMT FIELD & LABORATORY TESTING TECHNICAL REVIEW & ADMIN	10%	496.60	1.000	496.60
			SUBTOTAL	496.60
			** TOTAL PROJECT AMD2105500	5,462.60

FIELD TEST REPORT

Soil/Base Material Nuclear Density Test



Raba Kistner Consultants 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: 11/03/2021
ASSIGNMENT NO.: M21-013167
REPORT VERSION: A
SHEET NUMBER: 1 of 1
TECHNICIAN: ALEJANDRO HERNANDEZ

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>Additional Building Pad Section</u>						
1	About 8' S and 20' W of NE Corner of Pad	2	1st	14.0	113.7	98.4	Yes
2	About 20' S and 10' W of NE Corner of Pad	2	1st	13.1	115.9	100.3	Yes

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

REFERENCE: FOUNDATION PAD - SELECT FILL

FIELD TEST PROCEDURE: ASTM D 6938 **PERSON NOTIFIED:** Mr. Simon Alonzo **CONTRACTOR:** ECON
GAUGE NUMBER: M-1022 /30525 **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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COPIES TO: Above (1)

- Glinda.pacheco@co.hidalgo.tx.us (1)
- Oscar.villarreal@co.hidalgo.tx.us (1)
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- 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: EFM 11/8/2021 9:21:41AM

RABA KISTNER CONSULTANTS, INC.

Mark Wolf



BY: _____
11/08/2021

Reviewed By: EFM 11/8/2021 9:21:44AM



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
 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: 11/08/2021
 ASSIGNMENT NO.: M21-013193
 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>Additional Building pad section</u>						
1	About 10' S & 15' E of NW corner pad	2	nd/Final/6	14.0	116.7	101.0	Yes
2	About 16' S & 8' W of SE corner pad	2	nd/Final/6	13.8	115.5	99.9	Yes

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

REFERENCE: FOUNDATION PAD - SELECT FILL

FIELD TEST PROCEDURE: ASTM D 6938 **PERSON NOTIFIED:** Mr. Simon Alonso **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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- genriquez@econgroup.us (1)
- davidr@b2zeng.com (1)
- karina@b2zeng.com (1)

RABA KISTNER CONSULTANTS, INC.

Mark Wolf



BY: _____
 11/09/2021

Updated By: EFM 11/9/2021 10:00:18AM

Reviewed By: EFM 11/9/2021 10:00:30AM



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: 11/10/2021
 ASSIGNMENT NO.: M21-013232
 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
	8" Diameter - PVC Water line						
1	About 100' W on Centerline of SE corner entrance of off South 28th Ave	3	1st/12"	18.4	103.8	96.8	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 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.

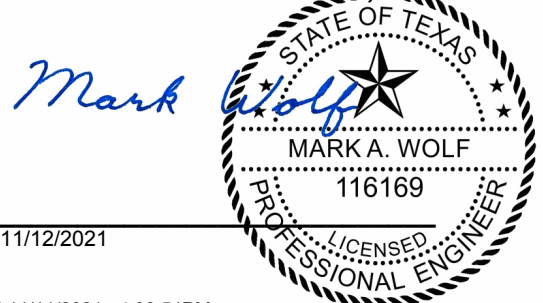
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- davidr@b2zeng.com (1)
- karina@b2zeng.com (1)

RABA KISTNER CONSULTANTS, INC.



BY: _____
 11/12/2021



Updated By: EFM 11/11/2021 4:38:46PM

Reviewed By: EFM 11/11/2021 4:38:51PM

Austin • Brownsville • Dallas • Houston • McAllen • Mexico • New Braunfels • Salt Lake City • San Antonio



FIELD TEST REPORT

Soil/Base Material Nuclear Density Test



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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: 11/15/2021
ASSIGNMENT NO.: M21-013265
REPORT VERSION: A
SHEET NUMBER: 1 of 1
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>8" Diameter - Waterline</u>						
1	About 120' W on Centerline of trench of off NE corner entrance of off S 28th Ave	3	2nd/12"	19.0	108.3	101.0	Yes
	<u>Two - 4" Diameter - electrical conduit SW section of building pad</u>						
2	About 20' N & 20' E of SW corner pad	3	1st/6"	18.5	107.9	100.7	Yes
3	About 20' N & 20' W of SE corner pad	3	1st/6"	17.9	107.0	99.8	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 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.

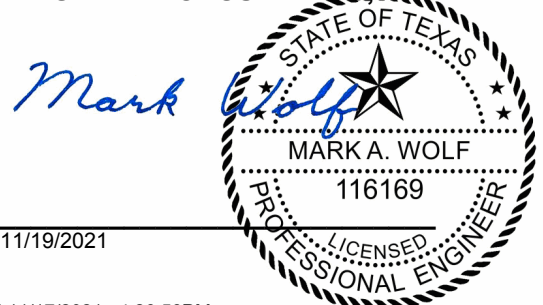
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- davidr@b2zeng.com (1)
- karina@b2zeng.com (1)

RABA KISTNER CONSULTANTS, INC.



BY: _____
11/19/2021



Updated By: MW 11/19/2021 10:22:53AM

Reviewed By: EFM 11/17/2021 4:26:58PM



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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 Raba Kistner Consultants 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: 11/16/2021
 ASSIGNMENT NO.: M21-013268
 REPORT VERSION: A
 SHEET NUMBER: 1 of 1
 TECHNICIAN: ALEJANDRO HERNANDEZ

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO. /DEPTH	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
	8" Diameter PVC Water Main						
1	About 125' W of E Entrance on Centerline of Trench	3	Final	16.4	107.7	100.5	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-1022 /30525 **GAUGE MODEL:** 3411 **GAUGE MAKE:** Troxler **TEST MODE:** Method A
REMARKS: Lift information is provided by contractor.

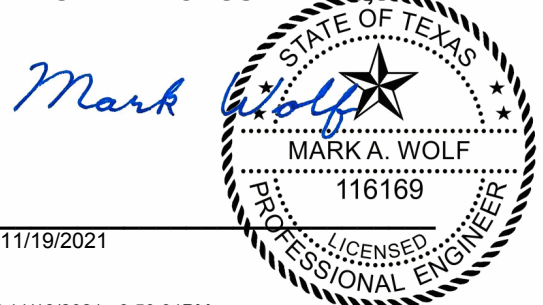
* - Indicates noncompliance with specifications. # - Indicates a RETEST

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BY: _____
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Updated By: EFM 11/18/2021 3:59:28PM

Reviewed By: EFM 11/18/2021 3:59:31PM

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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: 11/16/2021
ASSIGNMENT NO.: M21-013305
REPORT VERSION: A
SHEET NUMBER: 1 of 2
TECHNICIAN: ALEJANDRO HERNANDEZ

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>Building Pad</u>						
	<u>Area "C" 4" Diameter PVC Data Lines</u>						
1	About 50' N and 10' W of SE Corner of pad on Centerline of Trench	2	Final	14.3	116.1	100.4	Yes
	<u>Area "B" 4" Diameter PVC Data Lines</u>						
2	About 15' N and 60' E of SW Corner of Pad on Centerline of Trench	2	1st	14.0	113.4	98.1	Yes
	<u>Area "A" 4" Diameter PVC Data Lines</u>						
3	About 15' N and 35' E of SW Corner of Pad on Centerline of Trench	2	2nd	13.9	114.9	99.4	Yes
	<u>Area "C" 4" Diameter PVC Sanitary Sewer Line</u>						

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

REFERENCE: FOUNDATION PAD - SELECT FILL

FIELD TEST PROCEDURE: ASTM D 6938 **PERSON NOTIFIED:** Mr. Simon Alonzo **CONTRACTOR:** ECON
GAUGE NUMBER: M-1022 /30525 **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

ATTN.: ELLIE TORRES, COMMISSIONER
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PROJECT: Hidalgo County Pct. 4 - New Justice Center - Edinburg, Hidalgo County, Texas

PROJECT NO.: AMD21-055-00
 DATE OF TEST: 11/16/2021
 ASSIGNMENT NO.: M21-013305
 REPORT VERSION: A
 SHEET NUMBER: 2 of 2
 TECHNICIAN: ALEJANDRO HERNANDEZ

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO. /DEPTH	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
4	About 30' S and 20' W of NE Corner of Pad on Centerline of Trench	2	1st	15.0	113.4	98.1	Yes
5	About 30' S and 50' W of NE Corner of Pad on Centerline of Trench	2	1st	14.1	116.7	101.0	Yes
	<u>Area "B" 4" Diameter PVC Sanitary Sewer Line</u>						
6	About 35' S and 75' E of NW Corner of Pad on Centerline of Trench	2	1st	13.5	113.7	98.4	Yes

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

REFERENCE: FOUNDATION PAD - SELECT FILL

FIELD TEST PROCEDURE: ASTM D 6938 **PERSON NOTIFIED:** Mr. Simon Alonso **CONTRACTOR:** ECON
GAUGE NUMBER: M-1022 /30525 **GAUGE MODEL:** 3411 **GAUGE MAKE:** Troxler **TEST MODE:** Method A

REMARKS: Lift information is provided by contractor.

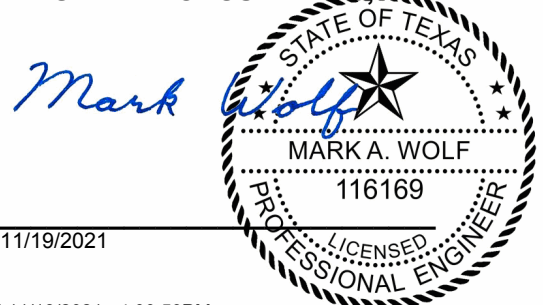
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BY: _____
 11/19/2021



Updated By: EFM 11/18/2021 4:00:57PM

Reviewed By: EFM 11/18/2021 4:00:59PM



FIELD TEST REPORT

Soil/Base Material Nuclear Density Test



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ATTN.: ELLIE TORRES, COMMISSIONER
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1051 N. DOOLITTLE RD.
EDINBURG, TX 78539

PROJECT NO.: AMD21-055-00
DATE OF TEST: 11/17/2021
ASSIGNMENT NO.: M21-013310
REPORT VERSION: A
SHEET NUMBER: 1 of 2
TECHNICIAN: ALEJANDRO HERNANDEZ

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>Building Pad</u>						
	<u>Area "C" 4" Diameter PVC Sanitary Sewer Line</u>						
1	Near Gridlines F-11 on Centerline of Trench	2	2nd	13.4	116.8	101.0	Yes
2	Near Gridlines E-8 on Centerline of Trench	2	2nd	13.2	115.0	99.5	Yes
	<u>Area "B" 4" Diameter PVC Sanitary Sewer Line</u>						
3	Near Gridlines G-6 on Centerline of Trench	2	2nd	14.1	114.7	99.2	Yes
4	Near Gridlines F-5 on Centerline of Trench	2	1st	12.8	113.6	98.3	Yes
	<u>Area "A" 4" Diameter PVC Sanitary Sewer Line</u>						

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

REFERENCE: FOUNDATION PAD - SELECT FILL

FIELD TEST PROCEDURE: ASTM D 6938 **PERSON NOTIFIED:** Mr. Simon Alonzo **CONTRACTOR:** Econ
GAUGE NUMBER: M-1022 /30525 **GAUGE MODEL:** 3411 **GAUGE MAKE:** Troxler **TEST MODE:** Method A

REMARKS: Lift information is provided by contractor.

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FIELD TEST REPORT

Soil/Base Material Nuclear Density Test

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

PROJECT NO.: AMD21-055-00
 DATE OF TEST: 11/17/2021
 ASSIGNMENT NO.: M21-013310
 REPORT VERSION: A
 SHEET NUMBER: 2 of 2
 TECHNICIAN: ALEJANDRO HERNANDEZ

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO. /DEPTH	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
5	Near Gridlines G-3 on Centerline of Trench	2	1st	12.8	115.5	99.9	Yes
	<u>Area "A" 4" Diameter PVC Data Lines</u>						
6	Near Gridlines E-4 on Centerline of Trench	2	Final	13.0	113.9	98.5	Yes
7	Near Gridlines E-6 on Centerline of Trench	2	1st	13.1	114.0	98.6	Yes

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

REFERENCE: FOUNDATION PAD - SELECT FILL

FIELD TEST PROCEDURE: ASTM D 6938 **PERSON NOTIFIED:** Mr. Simon Alonzo **CONTRACTOR:** Econ
GAUGE NUMBER: M-1022 /30525 **GAUGE MODEL:** 3411 **GAUGE MAKE:** Troxler **TEST MODE:** Method A

REMARKS: Lift information is provided by contractor.

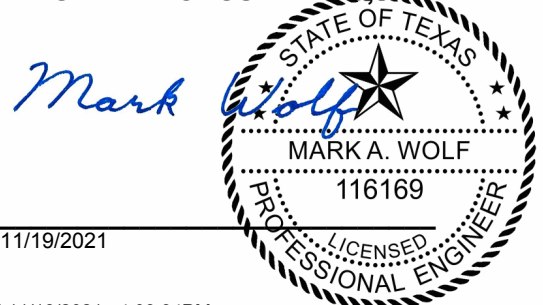
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BY: _____
 11/19/2021



Updated By: EFM 11/18/2021 4:03:32PM

Reviewed By: EFM 11/18/2021 4:03:34PM



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: 11/17/2021
 ASSIGNMENT NO.: M21-013312
 REPORT VERSION: A
 SHEET NUMBER: 1 of 1
 TECHNICIAN: ALEJANDRO HERNANDEZ

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO. /DEPTH	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
	<u>Building Pad</u>						
	<u>Area "C" - 4" Diameter PVC Sanitary Sewer Line</u>						
1	Near Gridlines F-11 on Centerline of Trench	2	Final	12.0	116.9	101.1	Yes
2	Near Gridlines E-8 on Centerline of Trench	2	Final	15.2	113.6	98.3	Yes
	<u>Area "B" - 4" Diameter PVC Sanitary Sewer Line</u>						
3	Near Gridlines G-6 on Centerline of Trench	2	Final	13.2	114.7	99.2	Yes

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

REFERENCE: FOUNDATION PAD - SELECT FILL

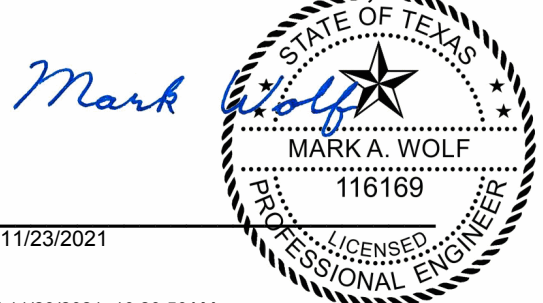
FIELD TEST PROCEDURE: ASTM D 6938 **PERSON NOTIFIED:** Mr. Simon Alonzo w **CONTRACTOR:** Econ
GAUGE NUMBER: M-1022 /30525 **GAUGE MODEL:** 3411 **GAUGE MAKE:** Troxler **TEST MODE:** Method A
REMARKS: Lift information is provided by contractor.
 * - Indicates noncompliance with specifications. # - Indicates a RETEST

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BY: _____
 11/23/2021



Updated By: EFM 11/23/2021 10:20:47AM

Reviewed By: EFM 11/23/2021 10:20:50AM



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: 11/30/2021
 ASSIGNMENT NO.: M21-013355
 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 - Wastewater line</u>						
1	Near Gridlines G & 4	2	Final Lift	12.8	114.5	99.0	Yes
2	Near Gridlines H & 2	2	Final Lift	15.6	112.6	97.4 *	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

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. ND-Not Determined; NP-Not Provided; NA-Not Available

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


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- karina@b2zeng.com (1)

RABA KISTNER CONSULTANTS, INC.

Mark Wolf
 BY: _____
 12/07/2021




Updated By: EFM 12/6/2021 9:54:06AM

Reviewed By: EFM 12/6/2021 9:54:08AM



FIELD TEST REPORT

Soil/Base Material Nuclear Density Test

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

PROJECT NO.: AMD21-055-00
 DATE OF TEST: 12/01/2021
 ASSIGNMENT NO.: M21-013393
 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>4" Diameter Electrical Conduit</u>						
1	Near gridlines F-2	2	1st/8"	13.1	114.9	99.4	Yes
2	Near gridlines E-3	2	1st/8"	13.7	115.0	99.5	Yes
	<u>4" Diameter PVC Sewerline</u>						
3	Near gridlines H-2	2	Final/8"	14.0	115.6	100.0	Yes

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

REFERENCE: FOUNDATION PAD - BACKFILL

FIELD TEST PROCEDURE: ASTM D 6938 **PERSON NOTIFIED:** Mr. Simon Alonzo w **CONTRACTOR:** E Con
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 CONSULTANTS, INC.

Mark Wolf



BY: _____
 12/08/2021



Updated By: MW 12/8/2021 9:16:46AM

Reviewed By: EFM 12/7/2021 11:34:55AM



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: 12/02/2021
 ASSIGNMENT NO.: M21-013394
 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>4" Diameter - PVC Electrical Conduit</u>						
1	Near gridlines H-8	2	2nd/8"	13.1	116.0	100.3	Yes

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

REFERENCE: FOUNDATION PAD - BACKFILL

FIELD TEST PROCEDURE: ASTM D 6938 **PERSON NOTIFIED:** Mr. Simon Alonzo **CONTRACTOR:** E Con
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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- genriquez@econgroup.us (1)
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- karina@b2zeng.com (1)

Updated By: MW 12/8/2021 9:18:34AM

RABA KISTNER CONSULTANTS, INC.

Mark Wolf

BY: _____
 12/08/2021



Reviewed By: EFM 12/7/2021 11:34:22AM



FIELD TEST REPORT

Soil/Base Material Nuclear Density Test



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800 East Hackberry
McAllen, Texas 78501
(956) 682-5332 • FAX(956) 682-5487
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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: 12/02/2021
ASSIGNMENT NO.: M21-013402
REPORT VERSION: A
SHEET NUMBER: 1 of 1
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>4" Diameter - PVC Electrical Conduit</u>						
1	Near gridlines F-2	2	Final/8"	14.0	115.7	100.1	Yes
2	Near gridlines E-3	2	Final/8"	13.1	113.5	98.2	Yes

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

REFERENCE: FOUNDATION PAD - 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.

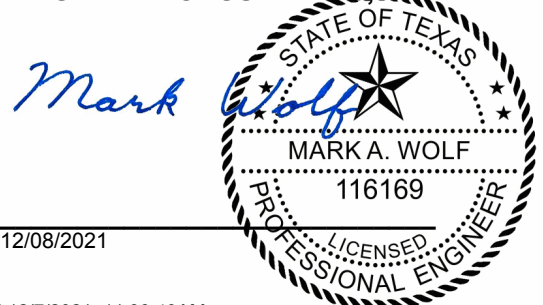
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- genriquez@econgroup.us (1)
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- karina@b2zeng.com (1)

RABA KISTNER CONSULTANTS, INC.



BY: _____
12/08/2021



Updated By: MW 12/8/2021 9:19:14AM

Reviewed By: EFM 12/7/2021 11:30:49AM



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: 12/14/2021
 ASSIGNMENT NO.: M21-013509
 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 - Fireline						
1	About 25' E And 3' S of the SW Corner of the Building Pad	3	1st / 12"	18.3	108.1	100.8	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 Alonzo w **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

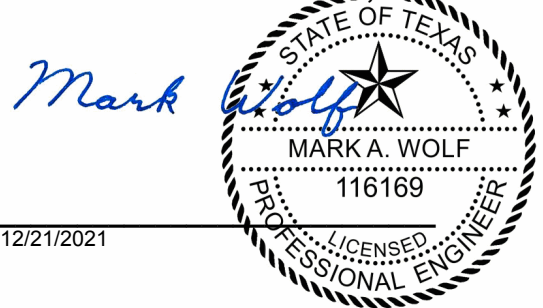
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- karina@b2zeng.com (1)

Updated By: MW 12/21/2021 1:04:59PM

RABA KISTNER CONSULTANTS, INC.



BY: _____
 12/21/2021



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: 12/14/2021
 ASSIGNMENT NO.: M21-013525
 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 5' E and 30' N from the SE corner of Building Pad	3	2nd / 6"	17.7	106.0	98.9	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-1071 /7531 **GAUGE MODEL:** 5001 EZ **GAUGE MAKE:** Humboldt **TEST MODE:** Method A
REMARKS: Lift information is provided by contractor.

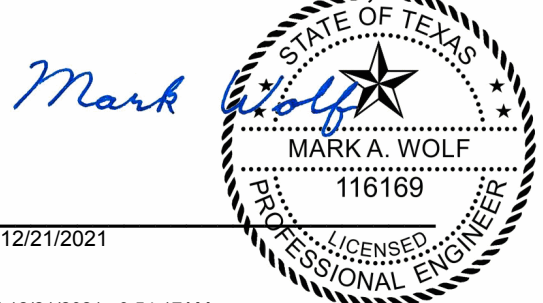
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BY: _____
 12/21/2021



Updated By: EFM 12/21/2021 9:54:14AM

Reviewed By: EFM 12/21/2021 9:54:17AM



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: 12/14/2021
 ASSIGNMENT NO.: M21-013526
 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 5' E and 30' N from the SE corner of Building Pad	3	Final / 6"	16.1	107.2	100.0	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-1071 /7531 **GAUGE MODEL:** 5001 EZ **GAUGE MAKE:** Humboldt **TEST MODE:** Method A
REMARKS: Lift information is provided by contractor.

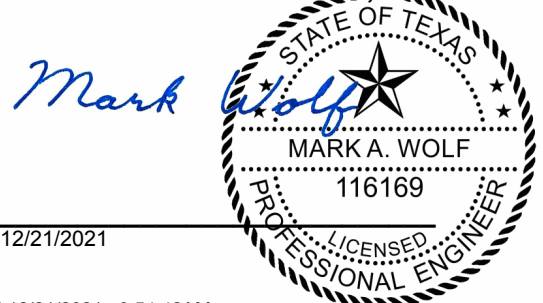
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RABA KISTNER CONSULTANTS, INC.



BY: _____
 12/21/2021



Updated By: EFM 12/21/2021 9:54:40AM

Reviewed By: EFM 12/21/2021 9:54:42AM

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Compressive Strength Test

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

PROJECT NO.: AMD21-055-00
CAST DATE: 12/17/2021
ASSIGNMENT NO.: M21-013552
REPORT VERSION: A
SHEET NUMBER: 1 of 4
TECHNICIAN: LUIS GARCIA

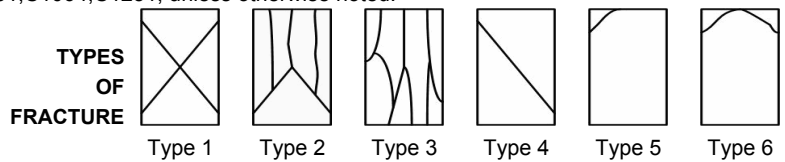
PROJECT: Hidalgo County Pct. 4 - New Justice Center - Edinburg, Hidalgo County, Texas

PLACEMENT LOCATION: Building Pad, About 15' North and 10' East of SW Corner of Building Pad Area

SET INDEX: Set 1 of 4
SUPPLIER: Central Ready Mix BATCH TIME: 2:33 AM AIR CONTENT (%): 1.6
TRUCK NO: 361 SAMPLE TIME: 3:04 AM UNIT WEIGHT (pcf): ND
TICKET NO: 558315 SAMPLE TEMP. (°F): 83 FIELD CURED (day): 1
SAMPLED AT (cu yds): 30 AMBIENT TEMP. (°F): 74 SAMPLE TYPE: Concrete Cylinder
DESIGN STR.(psi): 3,000 SLUMP (in.): 4.50 SAMPLE SIZE(in.): 4 x 8
PRODUCT NO.: 3000CG CLASS: WATER ADDED: 0
PLANT NUMBER: 001 RECEIVED DATE:

SPECIMEN NUMBER	DATE OF TEST	AGE (days)	LOAD (lbs)	DIAMETER (in)	AREA (in. ²)	STRENGTH (psi)	PERCENT OF DESIGN	FRACTURE TYPE	TESTED BY
1	12/24/2021	7	54,500	4.00	12.57	4,340	145	Type 3	R. Pinera
2	12/24/2021	7	52,560	4.00	12.57	4,180	139	Type 2	R. Pinera
3	01/14/2022	28							
4	01/14/2022	28							
5	01/14/2022	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: C31,C39,C143,C172,C231,C1064,C1231, unless otherwise noted.



* - Indicates noncompliance with specifications.

REMARKS: Mr. David Rivera with B2Z Engineering and Mr. Simon Alonzo with ECON were notified of field test results. ND-Not Determined; NP-Not Provided; NA-Not Applicable.

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LABORATORY TEST REPORT



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Compressive Strength Test

ATTN.: ELLIE TORRES, COMMISSIONER
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1051 N. DOOLITTLE RD.
EDINBURG, TX 78539

PROJECT NO.: AMD21-055-00
CAST DATE: 12/17/2021
ASSIGNMENT NO.: M21-013552
REPORT VERSION: A
SHEET NUMBER: 2 of 4
TECHNICIAN: LUIS GARCIA

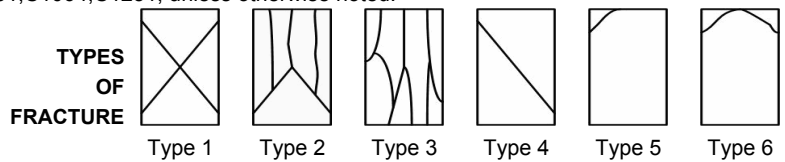
PROJECT: Hidalgo County Pct. 4 - New Justice Center - Edinburg, Hidalgo County, Texas

PLACEMENT LOCATION: Building Pad, About 20' South and 10' East of NW Corner of Building Pad Area

SET INDEX: Set 2 of 4
SUPPLIER: Central Ready Mix BATCH TIME: 3:05 AM AIR CONTENT (%): 1.6
TRUCK NO: 317 SAMPLE TIME: 3:35 AM UNIT WEIGHT (pcf): ND
TICKET NO: 558324 SAMPLE TEMP. (°F): 82 FIELD CURED (day): 1
SAMPLED AT (cu yds): 120 AMBIENT TEMP. (°F): 74 SAMPLE TYPE: Concrete Cylinder
DESIGN STR.(psi): 3,000 SLUMP (in.): 6.00 SAMPLE SIZE(in.): 4 x 8
PRODUCT NO.: 3000CG CLASS: WATER ADDED: 0
PLANT NUMBER: 001 RECEIVED DATE:

SPECIMEN NUMBER	DATE OF TEST	AGE (days)	LOAD (lbs)	DIAMETER (in)	AREA (in. ²)	STRENGTH (psi)	PERCENT OF DESIGN	FRACTURE TYPE	TESTED BY
6	12/24/2021	7	50,300	4.00	12.57	4,000	133	Type 3	R. Pinera
7	12/24/2021	7	51,420	4.00	12.57	4,090	136	Type 2	R. Pinera
8	01/14/2022	28							
9	01/14/2022	28							
10	01/14/2022	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: C31,C39,C143,C172,C231,C1064,C1231, unless otherwise noted.



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REMARKS: Mr. David Rivera with B2Z Engineering and Mr. Simon Alonzo with ECON were notified of field test results. ND-Not Determined; NP-Not Provided; NA-Not Applicable.

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- karina@b2zeng.com(1)

RABA KISTNER CONSULTANTS, INC.

BY: _____



LABORATORY TEST REPORT



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Compressive Strength Test

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

PROJECT NO.: AMD21-055-00
CAST DATE: 12/17/2021
ASSIGNMENT NO.: M21-013552
REPORT VERSION: A
SHEET NUMBER: 3 of 4
TECHNICIAN: LUIS GARCIA

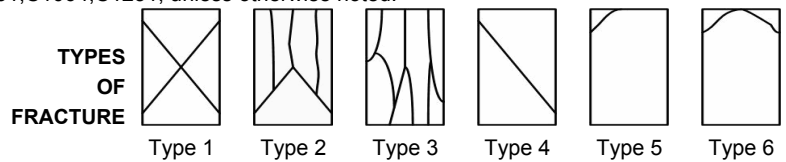
PROJECT: Hidalgo County Pct. 4 - New Justice Center - Edinburg, Hidalgo County, Texas

PLACEMENT LOCATION: Building Pad, About 40' North and 90' East of NW Corner of Building Pad Area

SET INDEX: Set 3 of 4
SUPPLIER: Central Ready Mix BATCH TIME: 3:53 AM AIR CONTENT (%): 1.7
TRUCK NO: 271 SAMPLE TIME: 4:24 AM UNIT WEIGHT (pcf): ND
TICKET NO: 558334 SAMPLE TEMP. (°F): 82 FIELD CURED (day): 1
SAMPLED AT (cu yds): 220 AMBIENT TEMP. (°F): 75 SAMPLE TYPE: Concrete Cylinder
DESIGN STR.(psi): 3,000 SLUMP (in.): 2.50 SAMPLE SIZE(in.): 4 x 8
PRODUCT NO.: 3000CG CLASS: WATER ADDED: 10
PLANT NUMBER: 001 RECEIVED DATE:

SPECIMEN NUMBER	DATE OF TEST	AGE (days)	LOAD (lbs)	DIAMETER (in)	AREA (in. ²)	STRENGTH (psi)	PERCENT OF DESIGN	FRACTURE TYPE	TESTED BY
11	12/24/2021	7	42,540	4.00	12.57	3,380	113	Type 3	R. Pinera
12	12/24/2021	7	42,720	4.00	12.57	3,400	113	Type 3	R. Pinera
13	01/14/2022	28							
14	01/14/2022	28							
15	01/14/2022	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: C31,C39,C143,C172,C231,C1064,C1231, unless otherwise noted.



* - Indicates noncompliance with specifications.

REMARKS:Mr. David Rivera with B2Z Engineering and Simon Alonzo with ECON were notified of field test results. ND-Not Determined; NP-Not Provided; NA-Not Applicable. (Water Added After Slump Test, No Slump was Requested Afterwards)

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- davidr@b2zeng.com(1)
- karina@b2zeng.com(1)

RABA KISTNER CONSULTANTS, INC.

BY: _____



LABORATORY TEST REPORT



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McAllen, Texas 78501
(956) 682-5332 • FAX(956) 682-5487
www.rkci.com
TBPE Firm F-3257

Compressive Strength Test

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

PROJECT NO.: AMD21-055-00
CAST DATE: 12/17/2021
ASSIGNMENT NO.: M21-013552
REPORT VERSION: A
SHEET NUMBER: 4 of 4
TECHNICIAN: LUIS GARCIA

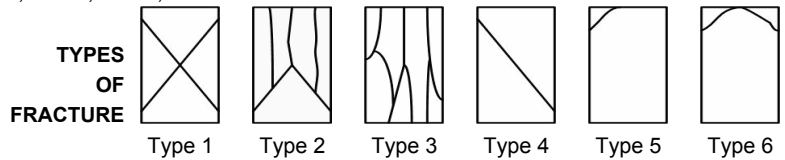
PROJECT: Hidalgo County Pct. 4 - New Justice Center - Edinburg, Hidalgo County, Texas

PLACEMENT LOCATION: Building Pad, About 20' North and 25' West of SE Corner of Building Pad Area

SET INDEX: Set 4 of 4
SUPPLIER: Central Ready Mix BATCH TIME: 4:58 AM AIR CONTENT (%): 1.6
TRUCK NO: 271 SAMPLE TIME: 5:30 AM UNIT WEIGHT (pcf): ND
TICKET NO: 558348 SAMPLE TEMP. (°F): 82 FIELD CURED (day): 1
SAMPLED AT (cu yds): 360 AMBIENT TEMP. (°F): 75 SAMPLE TYPE: Concrete Cylinder
DESIGN STR.(psi): 3,000 SLUMP (in.): 2.00 SAMPLE SIZE(in.): 4 x 8
PRODUCT NO.: 3000CG CLASS: WATER ADDED: 15
PLANT NUMBER: 001 RECEIVED DATE:

SPECIMEN NUMBER	DATE OF TEST	AGE (days)	LOAD (lbs)	DIAMETER (in)	AREA (in. ²)	STRENGTH (psi)	PERCENT OF DESIGN	FRACTURE TYPE	TESTED BY
16	12/24/2021	7	52,720	4.00	12.57	4,190	140	Type 3	R. Pinera
17	12/24/2021	7	51,430	4.00	12.57	4,090	136	Type 3	R. Pinera
18	01/14/2022	28							
19	01/14/2022	28							
20	01/14/2022	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: C31,C39,C143,C172,C231,C1064,C1231, unless otherwise noted.



* - Indicates noncompliance with specifications.

REMARKS: Mr. David Rivera with B2Z Engineering and Mr. Simon Alonzo with ECON were notified of field test results. ND-Not Determined; NP-Not Provided; NA-Not Applicable. (Water Added After Slump Test, No Slump was Requested Afterwards)

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

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- karina@b2zeng.com(1)

RABA KISTNER CONSULTANTS, INC.

BY: _____



Updated By: EFM 12/30/2021 10:28:10AM



FIELD TEST REPORT

Soil/Base Material Nuclear Density Test



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

PROJECT NO.: AMD21-055-00
DATE OF TEST: 12/30/2021
ASSIGNMENT NO.: M21-013613
REPORT VERSION: A
SHEET NUMBER: 1 of 1
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>8" Diameter PVC Waterline</u>						
1	Near STA.: 3+00 on Centerline of trench	3	1st/12"	16.0	111.8	104.3	Yes
2	Near STA.: 6+00 on Centerline of trench	3	1st/12"	18.2	106.4	99.3	Yes
3	Near STA.: 9+00 on Centerline of trench	3	1st/12"	19.0	109.0	101.7	Yes
4	Near STA.: 12+00 on Centerline of trench	3	1st/12"	18.9	110.9	103.5	Yes
	<u>Two - 4" Diameter Electrical Conduit on the East parking lot</u>						
5	About 30' N & 25' E of the NE corner outside building pad	3	1st/12"	19.1	107.3	100.1	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. Eddie Davila **CONTRACTOR:** Econ Construction
GAUGE NUMBER: M-1034 /5133 **GAUGE MODEL:** 3411 **GAUGE MAKE:** Troxler **TEST MODE:** Method A

REMARKS: Lift information is provided by contractor.

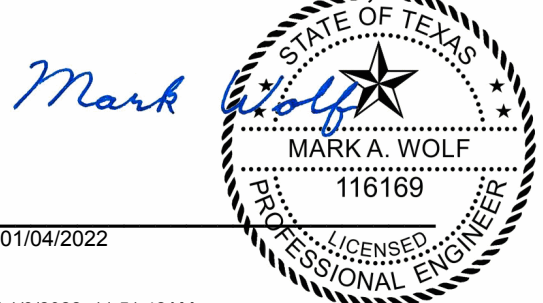
* - Indicates noncompliance with specifications. # - Indicates a RETEST

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RABA KISTNER CONSULTANTS, INC.



BY: _____
01/04/2022



Updated By: MW 1/4/2022 8:09:22AM

Reviewed By: EFM 1/3/2022 11:51:42AM



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: 12/30/2021
 ASSIGNMENT NO.: M21-013620
 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 Waterline</u>						
1	Near STA.: 12+00 on Centerline of trench	3	Final/12"	19.9	98.7	92.1	Yes*
2	Near STA.: 7+00 on Centerline of trench	3	Final/12"	19.0	111.0	103.5	Yes
3	Near STA.: 4+00 on Centerline of trench	3	Final/12"	18.4	112.1	104.6	Yes
4	Near STA.: 1+20 on Centerline of trench	3	Final/12"	17.2	107.2	100.0	Yes
	<u>Two - 4" Diameter electrical conduit on East parking lot</u>						
5	About 30' N & 25' E of SE corner outside building pad	3	2nd/12"	18.3	107.4	100.2	Yes
6	About 30' N & 29' E of SE corner outside building pad	3	3rd/12"	18.0	108.1	100.8	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. Eddie Davila **CONTRACTOR:** Econ
GAUGE NUMBER: M-1034 /5133 **GAUGE MODEL:** 3411 **GAUGE MAKE:** Troxler **TEST MODE:** Method A
REMARKS: Lift information is provided by contractor.

*Note: Test No. 1 is located within a green area and requires a minimum compaction of 90%.

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

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RABA KISTNER CONSULTANTS, INC.

Mark Wolf



BY: _____
 01/04/2022

Updated By: EFM 1/3/2022 11:58:09AM

Reviewed By: EFM 1/3/2022 11:58:13AM

