

AI-21084

4.

**Inv No. R019995-Raba-Kistner Consultants -Claim Payment Request
DRAINAGE DISTRICT**

Date: 05/11/2010
Submitted By: Claudette Cavazos, DRAINAGE DISTRICT
Submitted For: Claudette Cavazos
Department: DRAINAGE DISTRICT

Information

CAPTION

Requesting review and approval to pay excess billing on Invoice No. R019995 from Raba-Kistner Consultants, Inc. in the amount of \$2,712.67 for Construction Materials Testing services related to project no. DD-09-008-08-04-North San Juan Drainage Channel-Owassa Road Crossing.

BACKGROUND

Fiscal Impact

Attachments

Link: [Raba](#)

Form Routing/Status

Route Seq	Inbox	Approved By	Date	Status
1	Budget & Management	Erika Zamora	05/05/2010 11:45 AM	APRV
2	Perla Lopez	Perla Lopez	05/06/2010 10:47 AM	APRV
3	Final Approval	Angela Garcia	05/07/2010 05:18 PM	APRV

Form Started By: Claudette Cavazos
Started On: 05/05/2010 10:00 AM
Final Approval Date: 05/07/2010

VISIT OUR WEBSITE AT:
www.rkci.com

INVOICE

INVOICE # :R019995

Engineering * Testing * Environmental * Facilities * Infrastructure

BILLING DATE :
12/8/2009

PROJECT :
AMD0910500
Hidalgo County Drainage District 1

CLIENT :
A11371 Hidalgo County Drainage District #1



Mr. Godfrey Garza, Jr.
Hidalgo County Drainage District #1
902 North Doolittle Road
Edinburg, TX 78541

REMITTANCE ADDRESS:
RABA-KISTNER CONSULTANTS, INC.
P.O. BOX 971037
DALLAS, TX 75397-1037
PHONE (210) 699-9090

Code #807

INVOICE SUMMARY INFORMATION

North San Juan Lateral Channel Crossing Improvements - Owassa Rd - San Juan, Hidalgo County, Texas.
Project Administration 10%; R-K Proposal No. PMD09-236-00
RETMC

FOR PROFESSIONAL SERVICES RENDERED THROUGH: 11/28/2009

SERVICE DATE	09/17/2009	314.75
SERVICE DATE	09/30/2009	433.75
SERVICE DATE	10/01/2009	163.50
SERVICE DATE	10/02/2009	453.50
SERVICE DATE	10/05/2009	290.00
SERVICE DATE	10/06/2009	290.00
SERVICE DATE	10/08/2009	290.00
SERVICE DATE	10/09/2009	145.00
SERVICE DATE	10/12/2009	890.50
SERVICE DATE	10/13/2009	188.25
SERVICE DATE	10/15/2009	218.75
SERVICE DATE	10/16/2009	86.38
SERVICE DATE	11/28/2009	376.44

Sub

09-130-433-013-43460

SUBTOTAL INVOICE 4,140.82
AMOUNT DUE THIS INVOICE ** 4,140.82

THIS IS AN INTERIM INVOICE UNLESS OTHERWISE NOTED

PO# 614261 JUV# R019727 OK# 1564 9/29/09 \$ 2038.85
PO# 614261-10 JUV# R019995-P 05/11/10 \$ 1428.15
3467.00

NOTE Excess Billing to BE Processed AS CLAIM BOB 5/11/10

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

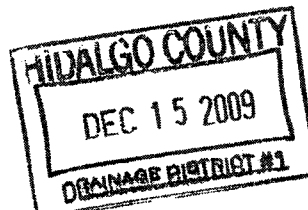
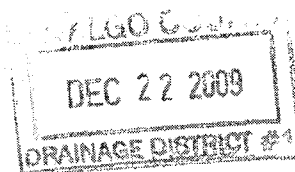
\$ 2712.67

BILLING DATE :
12/8/2009PROJECT :
AMD0910500 A11371
Hidalgo County Drainage District 1
Hidalgo County Drainage District #1RK PROJECT MANAGER: DENNIS C. CHARKOW
CLIENT PHONE: 956-292-7080**PROJECT BUDGET SUMMARY**

Project Budget	\$	6,179.67
Prior Billings		2,038.85
Total Available	\$	4,140.82

PROJECT ACCOUNTS RECEIVABLE SUMMARY

Amount Due This Invoice	\$	4,140.82
Total of Previous Invoices - Currently Unpaid		0.00
Total Due And Payable	\$	4,140.82





INVOICE #: R019995

BILLING DATE :
12/8/2009

PROJECT :
AMD0910500 A11371
Hidalgo County Drainage District 1
Hidalgo County Drainage District #1

SALARY / EXPENSE DETAILED BACKUP

DESCRIPTION	REMARKS	QUANTITY	RATE	AMOUNT
09/17/2009				
CMT FIELD & LABORATORY TESTING				
FIELD NUCLEAR DENSITY TEST	M09-014500	2.00	18.500	37.00
VEHICLE TRAVEL CHARGE	M09-014500	1.00	21.500	21.50
TECH TIME-DENSITY TESTING	M09-014500	2.00	43.250	86.50
FIELD NUCLEAR DENSITY TEST	M09-014502	1.00	18.500	18.50
VEHICLE TRAVEL CHARGE	M09-014502	1.00	21.500	21.50
TECH TIME-DENSITY TESTING	M09-014502	3.00	43.250	129.75
SUBTOTAL				314.75
09/30/2009				
CMT FIELD & LABORATORY TESTING				
VEHICLE TRAVEL CHARGE	M09-014657	1.00	21.500	21.50
SAMPLING TIME	M09-014657	2.00	43.250	86.50
MOISTURE DENSITY RELATIONSHIP	M09-014657	1.00	202.500	202.50
ATTERBERG LIMIT	M09-014657	1.00	73.500	73.50
SIEVE ANALYSIS 200 ONLY	M09-014657	1.00	49.750	49.75
SUBTOTAL				433.75
10/01/2009				
CMT FIELD & LABORATORY TESTING				
FIELD NUCLEAR DENSITY TEST	M09-014673	3.00	18.500	55.50
VEHICLE TRAVEL CHARGE	M09-014673	1.00	21.500	21.50
TECH TIME-DENSITY TESTING	M09-014673	2.00	43.250	86.50
SUBTOTAL				163.50
10/02/2009				
CMT FIELD & LABORATORY TESTING				
FIELD NUCLEAR DENSITY TEST	M09-014726	2.00	18.500	37.00
VEHICLE TRAVEL CHARGE	M09-014726	1.00	21.500	21.50
TECH TIME-DENSITY TESTING	M09-014726	2.00	43.250	86.50
FIELD NUCLEAR DENSITY TEST	M09-014715	3.00	18.500	55.50
VEHICLE TRAVEL CHARGE	M09-014715	1.00	21.500	21.50
TECH TIME-DENSITY TESTING	M09-014715	2.00	43.250	86.50

DEC 22 2009
DRAINAGE DISTRICT #1

HIDALGO COUNTY
DEC 15 2009
DRAINAGE DISTRICT #1

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AP Dec-09 PLEASE PAY FROM THIS INVOICE.



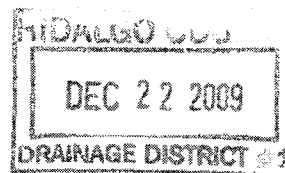
INVOICE #: R019995

BILLING DATE :
12/8/2009

PROJECT :
AMD0910500 A11371
Hidalgo County Drainage District 1
Hidalgo County Drainage District #1

SALARY / EXPENSE DETAILED BACKUP

DESCRIPTION	REMARKS	QUANTITY	RATE	AMOUNT
FIELD NUCLEAR DENSITY TEST	M09-014725	2.00	18.500	37.00
VEHICLE TRAVEL CHARGE	M09-014725	1.00	21.500	21.50
TECH TIME-DENSITY TESTING	M09-014725	2.00	43.250	86.50
SUBTOTAL				453.50
10/05/2009				
CMT FIELD & LABORATORY TESTING				
VEHICLE TRAVEL CHARGE	M09-014736	1.00	21.500	21.50
TECH TIME-DENSITY TESTING	M09-014736	2.00	43.250	86.50
FIELD NUCLEAR DENSITY TEST	M09-014738	2.00	18.500	37.00
VEHICLE TRAVEL CHARGE	M09-014738	1.00	21.500	21.50
TECH TIME-DENSITY TESTING	M09-014738	2.00	43.250	86.50
FIELD NUCLEAR DENSITY TEST	M09-014736	2.00	18.500	37.00
SUBTOTAL				290.00
10/06/2009				
CMT FIELD & LABORATORY TESTING				
VEHICLE TRAVEL CHARGE	M09-014757	1.00	21.500	21.50
TECH TIME-DENSITY TESTING	M09-014757	2.00	43.250	86.50
FIELD NUCLEAR DENSITY TEST	M09-014760	2.00	18.500	37.00
VEHICLE TRAVEL CHARGE	M09-014760	1.00	21.500	21.50
TECH TIME-DENSITY TESTING	M09-014760	2.00	43.250	86.50
FIELD NUCLEAR DENSITY TEST	M09-014757	2.00	18.500	37.00
SUBTOTAL				290.00
10/08/2009				
CMT FIELD & LABORATORY TESTING				
VEHICLE TRAVEL CHARGE	M09-014816	1.00	21.500	21.50
TECH TIME-DENSITY TESTING	M09-014816	2.00	43.250	86.50
FIELD NUCLEAR DENSITY TEST	M09-014824	2.00	18.500	37.00
VEHICLE TRAVEL CHARGE	M09-014824	1.00	21.500	21.50
TECH TIME-DENSITY TESTING	M09-014824	2.00	43.250	86.50



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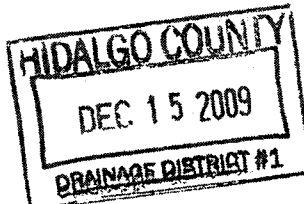
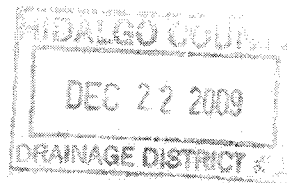
INVOICE #: R019995

BILLING DATE :
12/8/2009

PROJECT :
AMD0910500 A11371
Hidalgo County Drainage District 1
Hidalgo County Drainage District #1

SALARY / EXPENSE DETAILED BACKUP

DESCRIPTION	REMARKS	QUANTITY	RATE	AMOUNT
FIELD NUCLEAR DENSITY TEST	M09-014816	2.00	18.500	37.00
SUBTOTAL				290.00
10/09/2009				
CMT FIELD & LABORATORY TESTING				
VEHICLE TRAVEL CHARGE	M09-014867	1.00	21.500	21.50
TECH TIME-DENSITY TESTING	M09-014867	2.00	43.250	86.50
FIELD NUCLEAR DENSITY TEST	M09-014867	2.00	18.500	37.00
SUBTOTAL				145.00
10/12/2009				
CMT FIELD & LABORATORY TESTING				
SIEVE ANALYSIS WASH THRU #40	M09-014878	1.00	49.750	49.75
MOISTURE DENSITY RELATIONSHIP	M09-014878	1.00	202.500	202.50
FIELD NUCLEAR DENSITY TEST	M09-014897	2.00	18.500	37.00
VEHICLE TRAVEL CHARGE	M09-014897	1.00	21.500	21.50
TECH TIME-DENSITY TESTING	M09-014897	3.00	43.250	129.75
VEHICLE TRAVEL CHARGE	M09-014869	1.00	21.500	21.50
TECH TIME-DENSITY TESTING	M09-014869	3.00	43.250	129.75
FIELD NUCLEAR DENSITY TEST	M09-014877	2.00	18.500	37.00
VEHICLE TRAVEL CHARGE	M09-014877	1.00	21.500	21.50
TECH TIME-DENSITY TESTING	M09-014877	3.00	43.250	129.75
ATTERBERG LIMIT	M09-014878	1.00	73.500	73.50
FIELD NUCLEAR DENSITY TEST	M09-014869	2.00	18.500	37.00
SUBTOTAL				890.50
10/13/2009				
CMT FIELD & LABORATORY TESTING				
VEHICLE TRAVEL CHARGE	M09-014962	1.00	21.500	21.50
TECH TIME-DENSITY TESTING	M09-014962	3.00	43.250	129.75
FIELD NUCLEAR DENSITY TEST	M09-014962	2.00	18.500	37.00
SUBTOTAL				188.25
10/15/2009				



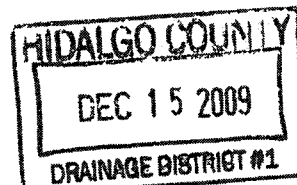
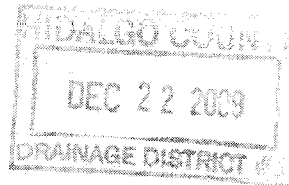
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BILLING DATE :
 12/8/2009

PROJECT :
 AMD0910500 A11371
 Hidalgo County Drainage District 1
 Hidalgo County Drainage District #1

SALARY / EXPENSE DETAILED BACKUP

DESCRIPTION	REMARKS	QUANTITY	RATE	AMOUNT
CMT FIELD & LABORATORY TESTING				
CONCRETE CYLINDER	M09-015056	5.00	13.500	67.50
VEHICLE TRAVEL	M09-015056	1.00	21.500	21.50
CHARGE				
TECH TIME-CONCRETE TESTING	M09-015056	3.00	43.250	129.75
			SUBTOTAL	218.75
10/16/2009				
CMT FIELD & LABORATORY TESTING				
VEHICLE TRAVEL	M09-015056	1.00	21.500	21.50
CHARGE				
TECH TIME CASTING	M09-015056	1.50	43.250	64.88
PICK UP SPEC				
			SUBTOTAL	86.38
11/28/2009				
CMT FIELD & LABORATORY TESTING				
TECHNICAL REVIEW & ADMIN	10%	376.44	1.000	376.44
			SUBTOTAL	376.44
** TOTAL PROJECT AMD0910500				4,140.82



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Raba-Kistner Consultants, Inc.
800 E. Hackberry
McAllen, Texas 78501
(956) 682-5332 • FAX (956) 682-5487
www.rkci.com

FIELD TEST REPORT

Soil/Base Material Nuclear Density Test

ATTN.: MR. GODFREY GARZA, JR., FLOOD PLAIN ADMIN.
TO: HIDALGO COUNTY DRAINAGE DISTRICT NO. 1
902 NORTH DOOLITTLE ROAD
EDINBURG, TEXAS 78541
PROJECT: Hidalgo County Drainage District 1 (N. San Juan Lateral
Channel Crossing Imp., Owassa Rd., San Juan, Tx.)

PROJECT NO.: AMD09-105-00
DATE OF TEST: 09/17/2009
ASSIGNMENT NO.: M09-014500
REPORT VERSION: A
SHEET NUMBER: 1 of 1
TECHNICIAN: JOSE CORPUS, JR.

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO.	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
10	Near STA: 176 + 50, on Centerline	1	1ST	19.2	101.6	98.9	Yes
11	Near STA: 175 + 60, on Centerline	1	2ND	18.5	101.4	98.7	Yes

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
1	Light Brown Sandy Lean Clay w/Calcareous Material (Backfill Material) (Pl:27)	18.2	102.7	16.2-20.2	95	ASTM D 698 Method A

REFERENCE: 72" Diameter RCP Drain Line; Backfill/Utility Line
FIELD TEST PROCEDURE: ASTM D 6938
GAUGE NUMBER: 2
REMARKS: Lift and station information provided by contractor.

PERSON NOTIFIED: Mr. Joe Asago w/Asago Construction
CONTRACTOR: Asago Construction

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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G.g@hccd1.org (1)
lgiaslas@hline.net (1)
Luis@rgutierrezengineering.com (1)

RABA-KISTNER CONSULTANTS, INC.

BY: Manuel Velazquez PE

Updated By: MM9/29/09 8:39 am



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 800 E. Hackberry
 McAllen, Texas 78501
 (956) 682-5332 • FAX (956) 682-5487
 www.rkci.com

FIELD TEST REPORT

Soil/Base Material Nuclear Density Test

ATTN.: MR. GODFREY GARZA, JR., FLOOD PLAIN ADMIN.
 TO: HIDALGO COUNTY DRAINAGE DISTRICT NO. 1
 902 NORTH DOOLITTLE ROAD
 EDINBURG, TEXAS 78541
 PROJECT: Hidalgo County Drainage District 1 (N. San Juan Lateral
 Channel Crossing Imp., Owassa Rd., San Juan, Tx.)

PROJECT NO.: AMD09-105-00
 DATE OF TEST: 09/17/2009
 ASSIGNMENT NO.: M09-014502
 REPORT VERSION: A
 SHEET NUMBER: 1 of 1
 TECHNICIAN: JOSE CORPUS, JR.

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO.	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
12	Near STA.: 175 + 50, on Centerline	1	3RD	19.0	101.4	98.7	Yes

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
1	Light Brown Sandy Lean Clay w/Calcareous Material (Backfill Material) (PI:27)	18.2	102.7	18.2-20.2	95	ASTM D 698 Method A

REFERENCE: 72" Diameter RCP Drain Line; Backfill/Utility Line
 FIELD TEST PROCEDURE: ASTM D 6938
 GAUGE NUMBER: 2
 REMARKS: Lift and station information provided by contractor.

PERSON NOTIFIED: Mr. Joe Asago w/Asago Construction
 CONTRACTOR: Asago Construction

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 lglesias@hiline.net (1)
 Luis@rgutierrezengineering.com (1)

RABA-KISTNER CONSULTANTS, INC.

BY: Martin Vils P.E.

Updated By: MM9/23/09 8:39 am





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800 E. Hackberry
McAllen, Texas 78501
(956) 682-5332 • FAX (956) 682-5487
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LABORATORY TESTING REPORT

Moisture-Density Relationship, Atterberg Limits, and M_{UD} No. 200 Determination

ATTN: MR. GODFREY GARZA, JR., FLOOD PLAIN ADMIN.
TO: HIDALGO COUNTY DRAINAGE DISTRICT NO. 1
902 NORTH DOOLITTLE ROAD
EDINBURG, TEXAS 78541

PROJECT NO.: AMD09-105-00
SAMPLE DATE: 09/30/2009
ASSIGNMENT NO.: M09-014657
REPORT VERSION: A
TECHNICIAN: JOSE CORPUS, JR.

PROJECT: Hidalgo County Drainage District 1 (N. San Juan Lateral Channel Crossing Imp., Owassa Rd., San Juan, Tx.)

A sample of the following material was obtained by R-K for laboratory testing : Brown Sandy Lean Clay (Proposed Fill Material). This material was obtained from the following location: Middle Portion of Stockpiled Material Located About 1500' Right Along Drain Channel. This material was obtained from Hidalgo Co. Pct. No. 2 Pit and is intended for use as Proposed Fill Material.

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

Moisture-Density Relationship Test, ASTM D 698 Method A	
Maximum Dry Density, (pcf)	105.8
Optimum Moisture Content, (%)	17.2

The Proctor curve is available upon request.

Finer Than No. 200 Sieve Determination, ASTM D 1140	
Finer Than No. 200 Sieve, (%)	69.1

Atterberg Limits, ASTM D 4318	
Average Liquid Limit	38
Average Plastic Limit	17
Average Plasticity Index	21

Remarks: Owassa Road, East Side of Dead End.

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Iglesias@hiline.net (1)
Luis@rgutierrezengineering.com (1)

RABA-KISTNER CONSULTANTS, INC.

BY: Marta Vila, P.E.

Updated By: MV 10/4/09 2:13 pm



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

FIELD TEST REPORT

Soil/Base Material Nuclear Density Test

ATTN.: MR. GODFREY GARZA, JR., FLOOD PLAIN ADMIN.
 TO: HIDALGO COUNTY DRAINAGE DISTRICT NO. 1
 902 NORTH DOOLITTLE ROAD
 EDINBURG, TEXAS 78541

PROJECT: Hidalgo County Drainage District 1 (N. San Juan Lateral
 Channel Crossing Imp., Owassa Rd., San Juan, Tx.)

PROJECT NO.: AMD09-105-00
 DATE OF TEST: 10/01/2009
 ASSIGNMENT NO.: M09-014673
 REPORT VERSION: A
 SHEET NUMBER: 1 of 1
 TECHNICIAN: JOSE CORPUS, JR.

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO.	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
13	Near STA.: 174 + 00. on Centerline of Trench	1	1ST	18.9	100.7	98.1	Yes
14	Near STA.: 172 + 50. on Centerline of Trench	1	1ST	18.3	101.7	99.0	Yes
15	Near STA.: 174 + 60. on Centerline of Trench	1	1ST	18.5	102.4	99.7	Yes

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
1	Light Brown Sandy Lean Clay w/Calcareous Material (Backfill Material) (Pl:27)	16.2	102.7	10.2-20.2	95	ASTM D 698 Method A

REFERENCE: 72" Diameter RCP Storm Drain Line Crossing; Backfill/Utility Line

FIELD TEST PROCEDURE: ASTM D 6938

GAUGE NUMBER: 2

REMARKS: Lift and station information provided by contractor.

PERSON NOTIFIED: Mr. Joe w/Asago Construction

CONTRACTOR: Asago Construction

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 Luis@rgutierrezengineering.com (1)

RABA-KISTNER CONSULTANTS, INC.

BY: Martin Ulla PE

Updated By: MM10/09 9:12 am



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 800 E. Hackberry
 McAllen, Texas 78501
 (956) 682-5332 • FAX (956) 682-5487
 www.rkci.com
 TQPE Form F-3257

FIELD TEST REPORT
 Soil/Base Material Nuclear Density Test

ATTN.: MR. GODFREY GARZA, JR., FLOOD PLAIN ADMIN.
 TO: HIDALGO COUNTY DRAINAGE DISTRICT NO. 1
 902 NORTH DOOLITTLE ROAD
 EDINBURG, TEXAS 78541
 PROJECT: Hidalgo County Drainage District 1 (N. San Juan Lateral
 Channel Crossing Imp., Owassa Rd., San Juan, Tx.)

PROJECT NO.: AMD09-105-00
 DATE OF TEST: 10/02/2009
 ASSIGNMENT NO.: M09-014726
 REPORT VERSION: A
 SHEET NUMBER: 1 of 1
 TECHNICIAN: GUADALUPE LOPEZ

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO.	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
18	Near STA.: 175 + 10, on Centerline of Trench	1	2ND	17.3	101.3	98.6	Yes
19	Near STA.: 175 + 50, on Centerline of Trench	1	2ND	17.9	100.6	98.0	Yes

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
1	Light Brown Sandy Lean Clay w/Calcareous Material (Backfill Material) (Pl:27)	18.2	102.7	18.2-20.2	95	ASTM D 698 Method A

REFERENCE: Storm Sewer Line Crossing; Backfill/Pavement Section
 FIELD TEST PROCEDURE: ASTM D 6938
 GAUGE NUMBER: 11
 REMARKS: Lift information provided by contractor.

PERSON NOTIFIED: Mr. Steve w/Asago Construction
 CONTRACTOR: Asago Construction

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BY: Martin Vila, P.E.

Updated By: MM10/6/09 9:17 am



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FIELD TEST REPORT
 Soil/Base Material Nuclear Density Test

ATTN: MR. GODFREY GARZA, JR., FLOOD PLAIN ADMIN.
 TO: HIDALGO COUNTY DRAINAGE DISTRICT NO. 1
 902 NORTH DOOLITTLE ROAD
 EDINBURG, TEXAS 78541
 PROJECT: Hidalgo County Drainage District 1 (N. San Juan Lateral
 Channel Crossing Imp., Owassa Rd., San Juan, Tx.)

PROJECT NO.: AMD09-105-00
 DATE OF TEST: 10/02/2009
 ASSIGNMENT NO.: M09-014715
 REPORT VERSION: A
 SHEET NUMBER: 1 of 1
 TECHNICIAN: JOSE CORPUS, JR.

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO.	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
20	Near STA.: 174 + 60, on Centerline of Trench	1	3RD	18.9	101.4	98.7	Yes
21	Near STA.: 174 + 80, on Centerline of Trench	1	3RD	18.5	101.2	98.5	Yes
22	Near STA.: 174 + 75, on Centerline of Trench	1	3RD	19.0	100.7	98.1	Yes

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
1	Light Brown Sandy Lean Clay w/Calcareous Material (Backfill Material) (PL27)	18.2	102.7	18.2-20.2	95	ASTM D 698 Method A

REFERENCE: 72" Diameter RCP Storm Drain Line Crossing; Backfill/Utility Line

FIELD TEST PROCEDURE: ASTM D 6938

GAUGE NUMBER: 2

REMARKS: Lift and station information provided by contractor.

PERSON NOTIFIED: Mr. Joe Asago w/Asago Construction

CONTRACTOR: Asago Construction

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FIELD TEST REPORT
 Soil/Base Material Nuclear Density Test

ATTN: MR. GODFREY GARZA, JR., FLOOD PLAIN ADMIN.
 TO: HIDALGO COUNTY DRAINAGE DISTRICT NO. 1
 902 NORTH DOOLITTLE ROAD
 EDINBURG, TEXAS 78541
 PROJECT: Hidalgo County Drainage District 1 (N. San Juan Laterals
 Channel Crossing Imp., Owassa Rd., San Juan, Tx.)

PROJECT NO.: AMD09-105-00
 DATE OF TEST: 10/02/2009
 ASSIGNMENT NO.: M09-014725
 REPORT VERSION: A
 SHEET NUMBER: 1 of 1
 TECHNICIAN: GUADALUPE LOPEZ

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO.	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
16	Near STA.: 175 + 00, on Centerline of Trench	1	1ST	19.4	100.3	97.7	Yes
17	Near STA.: 175 + 35, on Centerline of Trench	1	1ST	18.6	101.1	98.4	Yes

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY	LAB TEST PROCEDURE
1	Light Brown Sandy Lean Clay w/Calcareous Material (Backfill Material) (Pl:27)	18.2	102.7	18.2-20.2	95	ASTM D 698 Method A

REFERENCE: Storm Sewer Line Crossing; Backfill/Pavement Section
 FIELD TEST PROCEDURE: ASTM D 6938
 GAUGE NUMBER: 11
 REMARKS: Lift and station information provided by contractor.

PERSON NOTIFIED: Mr. Steve w/Asago Construction
 CONTRACTOR: Asago Construction

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FIELD TEST REPORT

Soil/Base Material Nuclear Density Test

ATTN.: MR. GODFREY GARZA, JR., FLOOD PLAIN ADMIN.
 TO: HIDALGO COUNTY DRAINAGE DISTRICT NO. 1
 902 NORTH DOOLITTLE ROAD
 EDINBURG, TEXAS 78541
 PROJECT: Hidalgo County Drainage District 1 (N. San Juan Lateral
 Channel Crossing Imp., Owassa Rd., San Juan, Tx.)

PROJECT NO.: AMD09-105-00
 DATE OF TEST: 10/06/2009
 ASSIGNMENT NO.: M09-014736
 REPORT VERSION: A
 SHEET NUMBER: 1 of 1
 TECHNICIAN: ALEJANDRO RAY
 HERNANDEZ

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO.	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
23	Near STA.: 175 + 10, on Centerline of Trench	1	4TH	16.7	103.0	100.3	Yes
24	Near STA.: 175 + 50, on Centerline of Trench	1	4TH	17.8	101.6	98.8	Yes

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
1	Light Brown Sandy Lean Clay w/Calcareous Material (Backfill Material) (P1.27)	16.2	102.7	16.2-20.2	95	ASTM D 698 Method A

REFERENCE: 72" Diameter RCP Storm Drain Line Crossing; Backfill/Utility Line

FIELD TEST PROCEDURE: ASTM D 6938

PERSON NOTIFIED: Mr. Steve Garcia w/Asago Construction

GAUGE NUMBER: 13

CONTRACTOR: Asago Construction

REMARKS: Lift and station information provided by contractor.

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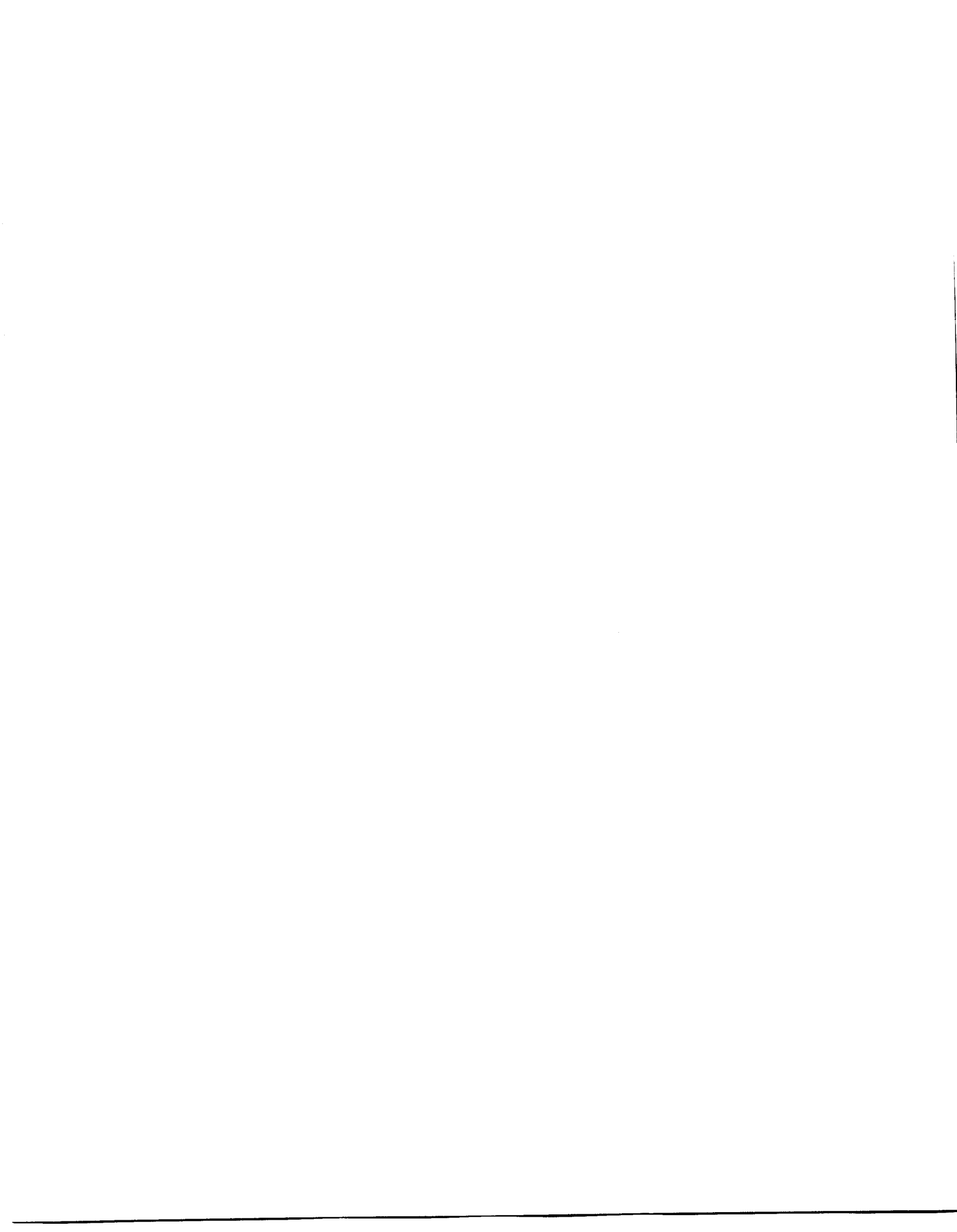
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FIELD TEST REPORT

Soil/Base Material Nuclear Density Test

ATTN: MR. GODFREY GARZA, JR., FLOOD PLAIN ADMIN.
 TO: HIDALGO COUNTY DRAINAGE DISTRICT NO. 1
 902 NORTH DOOLITTLE ROAD
 EDINBURG, TEXAS 78541
 PROJECT: Hidalgo County Drainage District 1 (N. San Juan Lateral
 Channel Crossing Imp., Owassa Rd., San Juan, Tx.)

PROJECT NO.: AMD09-105-00
 DATE OF TEST: 10/05/2009
 ASSIGNMENT NO.: M09-014738
 REPORT VERSION: A
 SHEET NUMBER: 1 of 1
 TECHNICIAN: ALEJANDRO RAY
 HERNANDEZ

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO.	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
25	Near STA: 175 + 10, on Centerline of Trench		5TH	17.2	103.2	100.5	Yes
26	Near STA: 175 + 50, on Centerline of Trench		5TH	16.5	104.3	101.6	Yes

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
1	Light Brown Sandy Lean Clay w/Calcareous Material (Backfill Material) (PI:27)	18.2	102.7	16.2-20.2	95	ASTM D 698 Method A

REFERENCE: 72" Diameter RCP Storm Drain Crossing; Backfill/Utility Line

FIELD TEST PROCEDURE: ASTM D 6938

GAUGE NUMBER: 13

REMARKS: Lift and station information provided by contractor.

PERSON NOTIFIED: Mr. Steve Garcia w/Asago Construction

CONTRACTOR: Asago Construction

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Updated By: MM10/7/09 8:18 am



FIELD TEST REPORT

Soil/Base Material Nuclear Density Test



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TO: HIDALGO COUNTY DRAINAGE DISTRICT NO. 1
902 NORTH DOOLITTLE ROAD
EDINBURG, TEXAS 78541

PROJECT: Hidalgo County Drainage District 1 (N. San Juan Lateral
Channel Crossing Imp., Owassa Rd., San Juan, Tx.)

PROJECT NO.: AMD09-105-00
DATE OF TEST: 10/06/2009
ASSIGNMENT NO.: M09-014757
REPORT VERSION: A
SHEET NUMBER: 1 of 1
TECHNICIAN: ALEJANDRO RAY HERNANDEZ

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO.	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
27	Near STA.: 175 + 20, on Centerline of Trench	1	6TH	17.0	103.0	100.3	Yes
28	Near STA.: 175 + 60, on Centerline of Trench	1	6TH	17.8	101.9	99.2	Yes

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
1	Light Brown Sandy Lean Clay w/Calcareous Material (Backfill Material) (Pt:27)	18.2	102.7	16.2-20.2	95	ASTM D 698 Method A

REFERENCE: 72" Diameter RCP Storm Drain Line Crossing; Backfill/Pavement Section

FIELD TEST PROCEDURE: ASTM D 6938

GAUGE NUMBER: 13

REMARKS: Lift information provided by contractor.

PERSON NOTIFIED: Mr. Steve Garcia w/Asago Construction

CONTRACTOR: Asago Construction

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FIELD TEST REPORT

Soil/Base Material Nuclear Density Test

ATTN: MR. GODFREY GARZA, JR., FLOOD PLAIN ADMIN.
 TO: HIDALGO COUNTY DRAINAGE DISTRICT NO. 1
 902 NORTH DOOLITTLE ROAD
 EDINBURG, TEXAS 78541
 PROJECT: Hidalgo County Drainage District 1 (N. San Juan Lateral
 Channel Crossing Imp., Owassa Rd., San Juan, Tx.)

PROJECT NO.: AMD09-105-00
 DATE OF TEST: 10/06/2009
 ASSIGNMENT NO.: M09-014760
 REPORT VERSION: A
 SHEET NUMBER: 1 of 1
 TECHNICIAN: ALEJANDRO RAY HERNAND

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO.	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
29	Near STA.: 175 + 20, on Centerline of Trench	1	FINAL	17.1	101.2	98.5	Yes
30	Near STA.: 175 + 60, on Centerline of Trench	1	FINAL	17.3	102.4	99.7	Yes

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (PCF)	LAB TEST PROCEDURE
1	Light Brown Sandy Lean Clay w/Calcareous Material (Backfill Material) (PI:27)	16.2	102.7	16.2-20.2	95	ASTM D 698 Method A

REFERENCE: 72" Diameter RCP Storm Drain Line Crossing; Backfill/Pavement Section

FIELD TEST PROCEDURE: ASTM D 6938

PERSON NOTIFIED: Mr. Steve Garcia w/Asago Construction
 CONTRACTOR: Asago Construction

GAUGE NUMBER: 13

REMARKS: Lift information provided by contractor.

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Updated By: MV 10/10/09 8:47 am



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FIELD TEST REPORT

Soil/Base Material Nuclear Density Test

ATTN.: MR. GODFREY GARZA, JR., FLOOD PLAIN ADMIN.
TO: HIDALGO COUNTY DRAINAGE DISTRICT NO. 1
902 NORTH DOOLITTLE ROAD
EDINBURG, TEXAS 78541
PROJECT: Hidalgo County Drainage District 1 (N. San Juan Lateral
Channel Crossing Imp., Owassa Rd., San Juan, Tx.)

PROJECT NO.: AMD09-105-00
DATE OF TEST: 10/08/2009
ASSIGNMENT NO.: M09-014816
REPORT VERSION: A
SHEET NUMBER: 1 of 1
TECHNICIAN: ALEJANDRO RAY HERNAND

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO.	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
31	Near STA.: 176 + 50, on Centerline of Trench	1	1ST	17.2	103.4	100.7	Yes
32	Near STA.: 177 + 00, on Centerline of Trench	1	1ST	16.8	103.6	100.9	Yes

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
1	Light Brown Sandy Lean Clay w/Calcareous Material (Backfill Material) (Pt:27)	18.2	102.7	16.2-20.2	95	ASTM D 698 Method A

REFERENCE: 54" Diameter RCP Storm Drain Line Crossing; Backfill/Pavement Section

FIELD TEST PROCEDURE: ASTM D 6938

GAUGE NUMBER: 13

REMARKS: Lift information provided by contractor

PERSON NOTIFIED: Mr. Steve Garcia w/Asago Construction

CONTRACTOR: Asago Construction

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Updated By: DV 10/8/09 4:12 pm





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FIELD TEST REPORT

Soil/Base Material Nuclear Density Test

ATTN.: MR. GODFREY GARZA, JR., FLOOD PLAIN ADMIN.
 TO: HIDALGO COUNTY DRAINAGE DISTRICT NO. 1
 902 NORTH DOOLITTLE ROAD
 EDINBURG, TEXAS 78541
 PROJECT: Hidalgo County Drainage District 1 (N. San Juan Lateral
 Channel Crossing Imp., Owassa Rd., San Juan, Tx.)

PROJECT NO.: AMD09-105-00
 DATE OF TEST: 10/08/2009
 ASSIGNMENT NO.: M09-014824
 REPORT VERSION: A
 SHEET NUMBER: 1 of 1
 TECHNICIAN: ALEJANDRO RAY HERNAND

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO.	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
33	Near STA.: 178 + 50, on Centerline of Trench	1	2ND	16.9	101.4	98.7	Yes
34	Near STA.: 177 + 00, on Centerline of Trench	1	2ND	17.7	102.0	99.3	Yes

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
1	Light Brown Sandy Lean Clay w/Calcareous Material (Backfill Material) (P1:27)	18.2	102.7	18.2-20.2	95	ASTM D 698 Method A

REFERENCE: 54" Diameter RCP Storm Drain Line Crossing; Backfill/Pavement Section

FIELD TEST PROCEDURE: ASTM D 6938

PERSON NOTIFIED: Mr. Steve Garcia w/Asago Construction

GAUGE NUMBER: 13

CONTRACTOR: Asago Construction

REMARKS: Lift information provided by contractor.

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BY: Marta Vilas P.E.

Updated By: MM10/9/09 9:25 am



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FIELD TEST REPORT

Soil/Base Material Nuclear Density Test



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ATTN: MR. GODFREY GARZA, JR., FLOOD PLAIN ADMIN.
 TO: HIDALGO COUNTY DRAINAGE DISTRICT NO. 1
 902 NORTH DOOLITTLE ROAD
 EDINBURG, TEXAS 78541
 PROJECT: Hidalgo County Drainage District 1 (N. San Juan Lateral
 Channel Crossing Imp., Owassa Rd., San Juan, Tx.)

PROJECT NO.: AMD09-105-00
 DATE OF TEST: 10/09/2009
 ASSIGNMENT NO.: M09-014867
 REPORT VERSION: A
 SHEET NUMBER: 1 of 1
 TECHNICIAN: TONATIO ROSALES

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO.	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
35	Near STA.: 176 + 50, on Centerline of Trench	1	3RD	17.3	101.6	98.9	Yes
36	Near STA.: 177 + 00, on Centerline of Trench	1	3RD	18.4	102.1	99.4	Yes

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
1	Light Brown Sandy Lean Clay w/Calcareous Material (Backfill Material) (PL27)	18.2	102.7	16.2-20.2	95	ASTM D 698 Method A

REFERENCE: 54" Diameter RCP Storm Drain Line; Backfill/Utility Line

FIELD TEST PROCEDURE: ASTM D 6938

GAUGE NUMBER: 12

REMARKS: Lift and station information provided by contractor.

PERSON NOTIFIED: Mr. Steve Garcia w/Asago Construction

CONTRACTOR: Asago Construction

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RABA-KISTNER CONSULTANTS, INC.

BY: *Martin Vila*

Updated By: MY10/13/09 5:26 pm



LABORATORY TESTING REPORT

Moisture-Density Relationship, Atterberg Limits, and Sieve Analysis



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ATTN: MR. GODFREY GARZA, JR., FLOOD PLAIN ADMIN.
TO: HIDALGO COUNTY DRAINAGE DISTRICT NO. 1
902 NORTH DOOLITTLE ROAD
EDINBURG, TEXAS 78541

PROJECT NO.: AMD09-105-00
SAMPLE DATE: 10/12/2009
ASSIGNMENT NO.: M09-014878
REPORT VERSION: A
TECHNICIAN: ALEJANDRO RAY HERNANDEZ

PROJECT: Hidalgo County Drainage District 1 N. San Juan Lateral Channel Crossing Imp., Owassa Rd., San Juan, Tx.

A sample of the following material was obtained by R-K for laboratory testing : Light Brown Caliche with Gravel (Proposed Flexible Base Material). This material was obtained from the following location : Stockpiled Material Located On-Site (Source: Terra Firma Pit). This material was obtained from The Project Site and is intended for use as Proposed Flexible Base Material.

Moisture-Density Relationship Test, ASTM D 698 Method C <i>(The Proctor curve is available upon request.)</i>		
Maximum Dry Density. (pcf):	130.0	
Optimum Moisture Content. (%):	7.8	
Atterberg Limits, ASTM D 4318		Specification Limits
Liquid Limit:	30	Max.: 40
Plastic Limit:	18	
Plasticity Index:	12	Max.: 12
Sieve Analysis, ASTM D 422		Item 247, TxDOT Grade 2
Sieve No.	Cumulative % Retained	Specification Limits
2-1/2"	0	0 - 0
1-3/4"	0	0 - 10
No. 4	49	45 - 75
No. 40	70	60 - 85

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lglesias@hiline.net (1)
Luis@rgutierrezengineering.com (1)

RABA-KISTNER CONSULTANTS, INC.

BY: Martin Vila, P.E.

Updated By: MS 10/16/09 1:39 pm





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

FIELD TEST REPORT

Soil/Base Material Nuclear Density Test

ATTN: MR. GODFREY GARZA, JR., FLOOD PLAIN ADMIN.
 TO: HIDALGO COUNTY DRAINAGE DISTRICT NO. 1
 902 NORTH DOOLITTLE ROAD
 EDINBURG, TEXAS 78541

PROJECT: Hidalgo County Drainage District 1 (N. San Juan Lateral
 Channel Crossing Imp., Owassa Rd., San Juan, Tx.)

PROJECT NO.: AMD09-105-00
 DATE OF TEST: 10/12/2009
 ASSIGNMENT NO.: M09-014897
 REPORT VERSION: A
 SHEET NUMBER: 1 of 1
 TECHNICIAN: ALEJANDRO RAY HERNAND

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO.	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
41	Near STA.: 176 + 05, on Centerline of Trench	2	FINAL	7.9	129.4	99.5	Yes
42	Near STA.: 176 + 15, on Centerline of Trench	2	FINAL	8.1	128.1	98.5	Yes

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY	LAB TEST PROCEDURE
2	Light Brown Caliche with Gravel (Proposed Flexible Base Material) (PI:12)	7.8	130.0	5.8-9.8	95	ASTM D 698 Method C

REFERENCE: Owassa Road Storm Line Crossing; Backfill/Pavement Section/Utility Line

FIELD TEST PROCEDURE: ASTM D 6938

PERSON NOTIFIED: Mr. Steve Garcia w/Asago Construction

GAUGE NUMBER: 13

CONTRACTOR: Asago Construction

REMARKS: Lift and station information provided by contractor.

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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RABA-KISTNER CONSULTANTS, INC.

BY: Martin Vila P.E.

Updated By: MM10/21/09 8:24 am



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 T&E Firm T-325/

FIELD TEST REPORT

Soil/Base Material Nuclear Density Test

ATTN.: MR. GODFREY GARZA, JR., FLOOD PLAIN ADMIN.
 TO: HIDALGO COUNTY DRAINAGE DISTRICT NO. 1
 902 NORTH DOOLITTLE ROAD
 EDINBURG, TEXAS 78541

PROJECT: Hidalgo County Drainage District 1 (N. San Juan Lateral
 Channel Crossing Imp., Owassa Rd., San Juan, Tx.)

PROJECT NO.: AMD09-105-00
 DATE OF TEST: 10/12/2009
 ASSIGNMENT NO.: M09-014869
 REPORT VERSION: A
 SHEET NUMBER: 1 of 1
 TECHNICIAN: ALEJANDRO RAY HERNAND

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO.	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
37	Near STA.: 176 + 50, on Centerline of Trench	1	4TH	17.6	101.8	99.1	Yes
38	Near STA.: 177 + 00, on Centerline of Trench	1	4TH	16.3	104.2	101.5	Yes

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
1	Light Brown Sandy Loam Clay w/Calcareous Material (Backfill Material) (PI:27)	18.2	102.7	16.2-20.2	95	ASTM D 698 Method A

REFERENCE: 54" Diameter RCP Storm Drain Line Crossing: Backfill/Pavement Section

FIELD TEST PROCEDURE: ASTM D 6938

GAUGE NUMBER: 13

REMARKS: Lift and station information provided by contractor.

PERSON NOTIFIED: Mr. Steve Garcia w/Asago Construction
 CONTRACTOR: Asago Construction

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RABA-KISTNER CONSULTANTS, INC.

BY: Martin Vila, P.E.

Updated By: MM10/15/09 2:10 pm





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 TDPE Form F-3257

FIELD TEST REPORT

Soil/Base Material Nuclear Density Test

ATTN: MR. GODFREY GARZA, JR., FLOOD PLAIN ADMIN.
 TO: HIDALGO COUNTY DRAINAGE DISTRICT NO. 1
 902 NORTH DOOLITTLE ROAD
 EDINBURG, TEXAS 78541
 PROJECT: Hidalgo County Drainage District 1 (N. San Juan Lateral
 Channel Crossing Imp., Owassa Rd., San Juan, Tx.)

PROJECT NO.: AMD09-105-00
 DATE OF TEST: 10/12/2009
 ASSIGNMENT NO.: M09-014877
 REPORT VERSION: A
 SHEET NUMBER: 1 of 1
 TECHNICIAN: ALEJANDRO RAY HERNAND

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO.	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
39	Near STA.: 176 + 50, on Centerline of Trench	1	5TH	16.4	103.3	100.6	Yes
40	Near STA.: 177 + 00, on Centerline of Trench	1	5TH	17.1	102.1	99.4	Yes

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
1	Light Brown Sandy Lean Clay w/Calcareous Material (Backfill Material) (PI:27)	18.2	102.7	18.2-20.2	95	ASTM D 698 Method A

REFERENCE: 54" Diameter RCP Storm Drain Line Crossing; Backfill/Pavement Section

FIELD TEST PROCEDURE: ASTM D 6938

GAUGE NUMBER: 13

REMARKS: Lift and station information provided by contractor.

PERSON NOTIFIED: Mr. Steve Garcia w/Asago Construction
 CONTRACTOR: Asago Construction

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 iglesias@hiline.net (1)
 Luis@gutierrezengineering.com (1)

RABA-KISTNER CONSULTANTS, INC.

BY: Martin Vila PE

Updated By: MM10/15/09 1:42 pm



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 www.rkci.com
 TUBE Firm F-3257

FIELD TEST REPORT

Soil/Base Material Nuclear Density Test

ATTN: MR. GODFREY GARZA, JR., FLOOD PLAIN ADMIN.
 TO: HIDALGO COUNTY DRAINAGE DISTRICT NO. 1
 902 NORTH DOOLITTLE ROAD
 EDINBURG, TEXAS 78541
 PROJECT: Hidalgo County Drainage District 1 (N. San Juan Lateral
 Channel Crossing Imp., Owassa Rd., San Juan, Tx.)

PROJECT NO.: AMD09-105-00
 DATE OF TEST: 10/13/2009
 ASSIGNMENT NO.: M09-014962
 REPORT VERSION: A
 SHEET NUMBER: 1 of 1
 TECHNICIAN: ALEJANDRO RAY HERNAND

TEST NO.	TEST LOCATION	SOIL TYPE	LIFT NO.	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PROCTOR (%)	CONFORM
43	Near STA.: 176 + 50, on Centerline of Trench	1	FINAL	17.5	101.4	98.7	Yes
44	Near STA.: 177 + 00, on Centerline of Trench	1	FINAL	16.9	103.0	100.3	Yes

CURVE ID.	SOIL TYPE	OPTIMUM MOISTURE (%)	MAX. DRY DENSITY (PCF)	REQUIRED MOISTURE (%)	REQUIRED DENSITY (%)	LAB TEST PROCEDURE
1	Light Brown Sandy Lean Clay w/Calcareous Material (Backfill Material) (PI:27)	18.2	102.7	18.2-20.2	95	ASTM D 698 Method A

REFERENCE: 64" Diameter RCP Storm Drain Line; Backfill/Pavement Section

FIELD TEST PROCEDURE: ASTM D 6938

GAUGE NUMBER: 13

REMARKS: Lift and station information provided by contractor.

PERSON NOTIFIED: Mr. Steve Garcia w/Asago Construction

CONTRACTOR: Asago Construction

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BY:

Updated By: MM10/15/09 1:42 pm



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 (956) 682-5332 • FAX (956) 682-5487
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 TDP# Firm F-3257

LABORATORY TEST REPORT

Compressive Strength Test

ATTN.: MR. GODFREY GARZA, JR., FLOOD PLAIN ADMIN.
 TO: HIDALGO COUNTY DRAINAGE DISTRICT NO. 1
 902 NORTH DOOLITTLE ROAD
 EDINBURG, TEXAS 78541

PROJECT NO.: AMD09-105-00
 CAST DATE: 10/15/2009
 ASSIGNMENT NO.: M09-015066
 REPORT VERSION: A
 TECHNICIAN: GUADALUPE LOPEZ

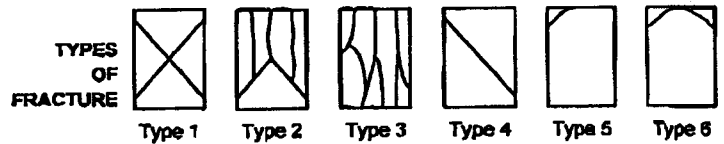
PROJECT: Hidalgo County Drainage District 1 (N. San Juan Lateral Channel Crossing Imp., Owasea Rd., San Juan, Tx.)

SAMPLE LOCATION: North Side of Drain Ditch Bottom Slab-on-Grade

SET INDEX:	Set 1 of 1	BATCH TIME:	9:32 a.m.	AIR CONTENT (%):	ND
SUPPLIER:	Magic Valley Conc.	SAMPLE TIME:	10:15 a.m.	UNIT WEIGHT (pcf):	ND
TICKET NO:	777	CONCRETE TEMP. (°F):	86	FIELD CURED (day):	1
SAMPLED AT (cu yds):	180392	AMBIENT TEMP. (°F):	88	SAMPLE TYPE:	Cylinder
DESIGN STR. (psi):	10	SLUMP (in.):	2.50	SAMPLE SIZE (in.):	4 x 8
PRODUCT NO.:	2,000				
	2000 PSI				

SPECIMEN NUMBER	DATE OF TEST	AGE (days)	LOAD (lbs)	AREA (in. ²)	STRENGTH (psi)	PERCENT OF DESIGN	FRACTURE TYPE
1	10/22/2009	7	31,775	12.57	2,530	127	Type 3
2	10/22/2009	7	28,520	12.57	2,270	114	Type 5
3	11/12/2009	28	47,070	12.57	3,740	187	Type 3
4	11/12/2009	28	45,725	12.57	3,640	182	Type 3
5	11/12/2009	28	47,495	12.57	3,780	189	Type 2

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, C109, C138, C143, C172, C173, C231, C495, C1019, and C1064.



REMARKS: Mr. Joe Asago w/Asago Construction was verbally notified of field test results. ND-Not Determined; NP-Not Provided; NA-Not Applicable.

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 Luis@rgutierrezengineering.com(1)

RABA-KISTNER CONSULTANTS, INC

BY:
 Uploaded By: MMR 11/12/09 1:45 pm



AI-21093

5.

**S#15 to WA#13/Reserve GF
DRAINAGE DISTRICT**

Date: 05/11/2010

Submitted By: Minerva Luna, DRAINAGE DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

A. Request approval to Reserve funds from the General Fund Balance, pending Department of Homeland Security (DHS) acceptance of expenditures as project cost.

B. Request approval of Supplemental Work Authorization No. 15 to Work Authorization No. 13 for Professional Services to Dannenbaum Engineering-McAllen relating to DHS 0-6BC (Hidalgo County Water Improvement District #3).

BACKGROUND

Fiscal Impact

Attachments

Link: [S#15 to WA#13 DHS 0-6BC](#)

Form Routing/Status

Route Seq	Inbox	Approved By	Date	Status
1	Budget & Management	Erika Zamora	05/05/2010 04:29 PM	APRV
2	Perla Lopez	Perla Lopez	05/06/2010 10:58 AM	APRV
3	Final Approval		05/07/2010 05:18 PM	NEW

Form Started By: Minerva Luna
Started On: 05/05/2010 02:57 PM

Final Approval Date: 05/07/2010

DANNENBAUM ENGINEERING COMPANY - McALLEN LLC

1109 NOLANA LOOP, SUITE 208 McALLEN, TEXAS 78504 (956) 682-3677

May 4, 2010

Godfrey Garza
Hidalgo County Drainage District #1
902 North Doolittle
Edinburg, Texas 78542

**RE: *Hidalgo County Levee Rehabilitation Project – DHS Segment O-6B/C
Supplemental Agreement No. 15 to W.A. No. 13***

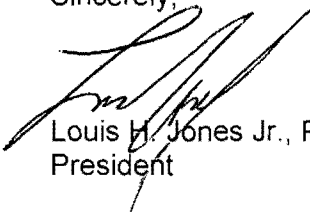
Dear Mr. Garza,

Enclosed please find two originals of partially executed Supplemental Agreement No. 15 to Work Authorization No. 13 to provide additional inspection services for the construction of the modifications made to the original plans to accommodate Hidalgo County Irrigation District No. 3 improvements.

Please review our Supplemental Agreement No. 15 and advise of your approval. Upon your review and approval, we respectfully request you return one original signature supplemental agreement to our office for our records.

If you have any questions, please feel free to me at (956)682-3677.

Sincerely,



Louis H. Jones Jr., P.E.
President

cc: Richard D. Seitz, P.E.
Omar Anzaldua, P.E.

HIDALGO COUNTY
MAY 04 2010
DRAINAGE DISTRICT #1

THE STATE OF TEXAS §
 §
COUNTY OF HIDALGO §

EXHIBIT “F”
Supplemental Agreement Form

SUPPLEMENTAL AGREEMENT NO. 15
TO WORK AUTHORIZATION NO. 13
TO AGREEMENT FOR PROFESSIONAL SERVICES

THIS SUPPLEMENTAL AGREEMENT is made pursuant to the terms and conditions of Section 4 of the Agreement made by and between the **HIDALGO COUNTY DRAINAGE DISTRICT NO. 1**, acting herein by and through its **BOARD OF DIRECTORS**, hereinafter called the **OWNER** and **DANNENBAUM ENGINEERING COMPANY – MCALLEN, LLC**, professional engineers of McAllen, Texas, hereinafter called the **ENGINEER**.

W I T N E S S E T H

WHEREAS, the **OWNER** and the **ENGINEER** executed the Main Contract Agreement on the 7th day November, 2006 concerning engineering and related services of the facilities for the “Levee System Improvements within Hidalgo County, Texas” (hereinafter referred to as the “Project”); and executed Work Authorization No. 13 under said agreement on the 16th day of May 2008; and,

WHEREAS, Section Part 1 of Work Authorization No. 13, Scope of Work, establishes the scope of work for the Hidalgo County Drainage District No. 1 proposed levee improvement projects, and,

WHEREAS, it has become necessary to amend “Exhibit B” of Work Authorization No. 13 (Levee System Improvements for Department of Homeland Security Levee/Wall Segment O-6B/C) for additional manhour effort for engineering project site representation services for said project. Additional manhour effort and and labor cost for project site representation is included in this supplemental agreement as outlined in Exhibit “D” to this supplemental agreement.

HIDALGO COUNTY
MAY 05 2010
DRAINAGE DISTRICT #1

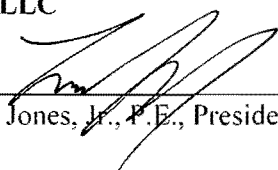
Hidalgo County Drainage District No. 1 / Dannenbaum Engineering Company – McAllen, LLC
SA No. 15 to WA No. 13 / DHS Levee/Wall Segment O-6B/C
“Levee System Improvements within Hidalgo County, Texas”
EXHIBIT “F”
Page 1 of 2

NOW THEREFORE, premises considered, the **OWNER** and **ENGINEER** agree that said Agreement is amended as follows:

I. Section of the Agreement, Part 2. Estimated Cost is revised to include additional manhour effort and labor cost for construction project site representation for said project as outlined in Exhibit "D" Lump Sum Fee Budget Estimate.

IN WITNESS WHEREOF, the **ENGINEER** and the **OWNER** have caused this **Supplemental Agreement No. 15** to be effective as of the ____ day of _____, 2010.

ENGINEER:
**DANNENBAUM ENGINEERING COMPANY –
MCALLEN, LLC**

BY: 
Louis H. Jones, Jr., P.E., President

OWNER:
HIDALGO COUNTY

BY: _____
Rene Ramirez, County Judge

ATTACHMENTS:

- Exhibit "D" – Lump Sum Fee Budget Estimate
- Exhibit "G" – Copy of Executed Change Order No. 36A related to additional inspection effort for DHS Segment O-6B/C

HIDALGO COUNTY

MAY 05 2010

DRAINAGE DISTRICT #1

*Hidalgo County Drainage District No. 1 / Dannenbaum Engineering Company – McAllen, LLC
SA No. 15 to WA No. 13 / DHS Levee/Wall Segment O-6B/C
"Levee System Improvements within Hidalgo County, Texas"*

EXHIBIT "F"

EXHIBIT "D"

Lump Sum Budget Fee Estimate

I. Additional Services – Manhour effort for Project Site Representation for the construction of the modifications made to the Original Plans to accommodate Hidalgo County Irrigation District No. 3 improvements.	\$6,321.00
Total	<hr/> \$6,321.00

HIDALGO COUNTY
MAY 04 2010
DRAINAGE DISTRICT #1

*Hidalgo County Drainage District No. 1 / Dannenbaum Engineering Company – McAllen, LLC
SA No. 15 to WA No. 13 / DHS Levee/Wall Segment O-6B/C
"Levee System Improvements within Hidalgo County, Texas"*
EXHIBIT "D"
Page 1 of 1

**HIDALGO County Drainage District No. 1
LEVEE IMPROVEMENTS PROJECT
DHS SEGMENT 0-6B & O-6C (1.38 MILES)**

CHANGE ORDER NO. 36A

Date: February 3, 2010

Contractor: SER Construction Partners, Ltd.
3636 Pasadena Blvd.
Pasadena, Texas 77503

Owner: Hidalgo County Drainage District No. 1
902 N. Doolittle Road
Edinburg, Texas 78541

Reference: LEVEE IMPROVEMENTS PROJECT
DHS SEGMENT 0-6B & O-6C (1.38 MILES)

Contract No. 08-017-09-02
Dannenbaum No. 4410-08 / 4410-09

Description:

Modification to Original Plans to accommodate H.C.W.I.D. No. 3 improvements.

Contract Amount:

Original Contract Price:	\$ 14,197,729.40
Previous Change Order(s):	\$ 2,276,540.23
Contract price prior to this change order:	\$ 16,474,269.63
Net increase (decrease) from this change order:	\$ 480,465.67
Contract price with all change orders to date (including this change order):	\$ 16,954,735.30

Contract Time:

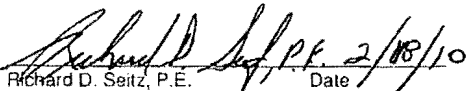
Authorized contract time change:	
Previous Total	242 days
This Change Order	<u>45 days</u>
Total to Date	287 days

	Substantial Completion	Final Completion
Original Contract Date	12/1/2008	3/30/2009
Revised Contract Date - Previous Change Order	2/7/2009	11/27/2009
Revised Contract Date - This Change Order	N/A	1/11/2010

APPROVALS:

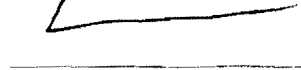
ENGINEER:

Dannenbaum Engineering Company - McAllen, LLC


Richard D. Seitz, P.E. Date 2/18/10
Resident Project Representative

OWNER:

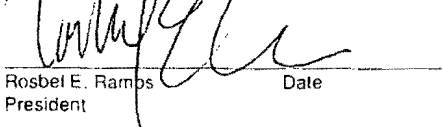
Hidalgo Co. Drainage Dist. No. 1


Rene A. Ramirez Date 4/16/10
Chairman of the Board

ACCEPTED:

CONTRACTOR:

SER Construction Partners, Ltd.


Rosbel E. Ramos Date
President

**HIDALGO COUNTY
MAY 04 2010
DRAINAGE DISTRICT #1**

HIDALGO County Drainage District No. 1
 LEVEE IMPROVEMENTS PROJECT
 DHS SEGMENT O-6B & O-6C (1.38 MILES)

CHANGE ORDER NO. 36A

ATTACHMENT A

TABULATION OF QUANTITY AND COST

Date: February 3, 2010

Contract No.
 Dannenbaum No.

08-017-09-02
 4410-08 / 4410-09

Contractor: SER Construction Partners, Ltd.
 3636 Pasadena Blvd.
 Pasadena, Texas 77503

Description: Modification to Original Plans to accommodate H C W I D. No. 3 improvements

COST SUMMARY

BID ITEM NO		UNITS	ORIGINAL QNTYS			REVISED QNTYS			VARIANCE AMOUNT
			QNTYS	UNIT PRICE	COST	QNTYS	UNIT PRICE	COST	
4	REMOVE/STOCKPILE EXIST EMBANKMENT	CY	12,419.00	\$ 10.00	\$ 124,190.00	13,839.00			
5	RETAINING WALL (CAST IN PLACE) (STEM)	CY	5,526.36	\$ 601.98	\$ 3,326,166.21	5,557.36			
6	RETAINING WALL (CAST IN PLACE) (FOOTING)	CY	7,273.96	\$ 576.02	\$ 4,189,946.44	7,285.96			
8	TRENCH EXCAVATION PROTECTION	LF	7,415.00	\$ 1.00	\$ 7,415.00	7,300.00			
18	EMBANKMENT	CY	165,487.50	\$ 20.00	\$ 3,309,750.00	165,503.50			
20	CONC. RIPRAP (CL-B) (SLOPE PROTECTION)	CY	392.87	\$ 240.00	\$ 94,288.80	585.87			
30	HYDROMULCH	SY	57,462.00	\$ 0.80	\$ 45,969.60	59,032.00			
38	BOLLARD (TRANSPORT FROM STAGING AREA & INSTALL PER PLANS)(10 FT)	EA	2,911.00	\$ 102.00	\$ 296,922.00	2,849.00			
40	BOLLARD (TRANSPORT FROM STAGING AREA & INSTALL PER PLANS)(20 FT)	EA	1,430.00	\$ 276.00	\$ 394,680.00	1,414.00			
61	FLEXBASE (NEW) (CALICHE) (TY D GR 6) (8 IN)	CY	455.00	\$ 30.00	\$ 13,650.00	476.00			
62	CONCRETE HEADER	LF	160.00	\$ 140.79	\$ 22,526.40	184.00			
77	REINF. CONC. BOX (5 FT X 5 FT)	LF	72.00	\$ 283.35	\$ 18,961.20	621.00			
79	CONC. HEADWALL (5 FT X 5 FT RCB) (STRAIGHT WING)	EA	1.00	\$ 7,002.00	\$ 7,002.00	3.00			
80	CONC. HEADWALL (5 FT X 5 FT RCB) (SPECIAL)(STA 46+50.44)	CY	14.00	\$ 439.84	\$ 8,154.96	45.00			
81	CONSTRUCT GATE WELL STRUCTURE W/ SLUICE GATE, GRATE & LADDER. (8 ft x 6 ft)	EA	1.00	\$ 117,803.98	\$ 117,803.98	3.00			
89	REINF CONC PIPE (24 IN)(CL V)	EA	95.00	\$ 155.12	\$ 14,736.40	0.00			
N/A	ENGINEERING INSPECTION	DAY	0.00	\$ -	\$ -	60.00			
GRAND TOTAL								\$	-

→ SITE ATTACHMENT "B"

NOTE: QUANTITIES SHOWN REPRESENT WORK IN ADDITION TO ORIGINAL DHS CONSTRUCTION WITH THE ADDITIONAL ACCESS RAMP BY CBP.

HIDALGO COUNTY
 MAY 04 2010
 DRAINAGE DISTRICT #1

HIDALGO County Drainage District No. 1
 LEVEE IMPROVEMENTS PROJECT
 DHS SEGMENT O-6B & O-6C (1.38 MILES)

CHANGE ORDER NO. 36A

ATTACHMENT B

ENGINEER'S FINAL OPINION OF COST

Date: February 22, 2010
 Contractor: SER Construction Partners, Ltd.
3636 Pasadena Blvd.
Pasadena, Texas 77503

Contract No. 08-017-09-02
 Dannenbaum No. 4410-08 / 4410-09

Description: Modification to Original Plans to accommodate H.C.W.I.D. No. 3 improvements.

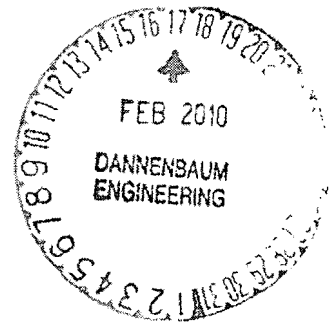
COST SUMMARY

BID ITEM NO.		UNITS	ORIGINAL QNTYS			REVISED QNTYS			VARIANCE AMOUNT
			QNTYS	UNIT PRICE	COST	QNTYS	UNIT PRICE	COST	
4	REMOVE/STOCKPILE EXIST EMBANKMENT.	CY	12,419.00	\$ 10.00	\$ 124,190.00	13,939.00	\$ 10.00	\$ 139,390.00	\$ 14,200.00
5	RETAINING WALL (CAST IN PLACE) (STEM).	CY	5,525.36	\$ 601.98	\$ 3,326,156.21	5,557.36	\$ 601.97	\$ 3,345,356.21	\$ 19,200.00
6	RETAINING WALL (CAST IN PLACE) (FOOTING).	CY	7,273.96	\$ 576.02	\$ 4,189,946.44	7,285.96	\$ 575.98	\$ 4,196,546.44	\$ 6,600.00
8	TRENCH EXCAVATION PROTECTION	LF	7,415.00	\$ 1.00	\$ 7,415.00	7,300.00	\$ 1.00	\$ 7,300.00	\$ (115.00)
18	EMBANKMENT	CY	165,487.50	\$ 20.00	\$ 3,309,750.00	165,503.50	\$ 20.00	\$ 3,310,070.00	\$ 320.00
20	CONC. RIPRAP (CL-B) (SLOPE PROTECTION)	CY	392.87	\$ 240.00	\$ 94,288.80	585.87	\$ 240.00	\$ 140,608.80	\$ 46,320.00
30	HYDROMULCH	SY	57,462.00	\$ 0.80	\$ 45,969.60	59,032.00	\$ 0.80	\$ 47,225.60	\$ 1,256.00
38	BOLLARD (TRANSPORT FROM STAGING AREA & INSTALL PER PLANS)(10 FT)	EA	2,911.00	\$ 102.00	\$ 296,922.00	2,849.00	\$ 102.00	\$ 290,598.00	\$ (6,324.00)
40	BOLLARD (TRANSPORT FROM STAGING AREA & INSTALL PER PLANS)(20 FT)	EA	1,430.00	\$ 276.00	\$ 394,680.00	1,414.00	\$ 276.00	\$ 390,264.00	\$ (4,416.00)
61	FLEXBASE (NEW) (CALICHE) (TY D GR 6) (8 IN)	CY	455.00	\$ 30.00	\$ 13,650.00	476.00	\$ 30.00	\$ 14,280.00	\$ 630.00
62	CONCRETE HEADER	LF	160.00	\$ 140.79	\$ 22,526.40	184.00	\$ 140.79	\$ 25,905.36	\$ 3,378.96
77	REINF. CONC. BOX (5 FT X 5 FT)	LF	72.00	\$ 263.35	\$ 18,961.20	621.00	\$ 263.35	\$ 163,540.35	\$ 144,579.15
79	CONC. HEADWALL (5 FT X 5 FT RCB) (STRAIGHT WING)	EA	1.00	\$ 7,002.00	\$ 7,002.00	3.00	\$ 7,002.00	\$ 21,006.00	\$ 14,004.00
80	CONC. HEADWALL (5 FT X 5 FT RCB) (SPECIAL)(STA 46+50.44)	CY	14.00	\$ 439.64	\$ 6,154.96	45.00	\$ 439.89	\$ 19,794.96	\$ 13,640.00
81	CONSTRUCT GATE WELL STRUCTURE W/ SLUICE GATE, GRATE & LADDER. (6 ft x 6	EA	1.00	\$ 117,803.98	\$ 117,803.98	3.00	\$ 117,803.98	\$ 353,411.94	\$ 235,607.96
89	REINF CONC PIPE (24 IN)(CL V)	EA	95.00	\$ 155.12	\$ 14,736.40	0.00	\$ 155.12	\$ -	\$ (14,736.40)
N/A	ENGINEERING INSPECTION	DAY	0.00	\$ -	\$ -	70.00	\$ 90.30	\$ 6,321.00	\$ 6,321.00
GRAND TOTAL								\$	480,465.67

Belongs to Dannenbaum

NOTE: QUANTITIES SHOWN REPRESENT WORK IN ADDITION TO ORIGINAL DHS CONSTRUCTION WITH THE ADDITIONAL ACCESS RAMP BY CBP.

HIDALGO COUNTY
 MAY 04 2010
 DRAINAGE DISTRICT #1



HIDALGO County Drainage District No. 1
LEVEE IMPROVEMENTS PROJECT
DHS SEGMENT 0-6B & 0-6C (1.38 MILES)

CHANGE ORDER NO. 36A

Date: February 3, 2010

Contractor: SER Construction Partners, Ltd.
3636 Pasadena Blvd.
Pasadena, Texas 77503

Owner: Hidalgo County Drainage District No. 1
902 N. Doolittle Road
Edinburg, Texas 78541

Reference: LEVEE IMPROVEMENTS PROJECT
DHS SEGMENT 0-6B & 0-6C (1.38 MILES)

Contract No. 08-017-09-02
Dannenbaum No. 4410-08 / 4410-09

Description: Modification to Original Plans to accommodate H.C.W.I.D. No. 3 improvements.

Contract Amount:

Original Contract Price:	\$	14,197,729.40
Previous Change Order(s):	\$	2,276,540.23
Contract price prior to this change order:	\$	16,474,269.63
Net increase (decrease) from this change order:	\$	480,465.67
Contract price with all change orders to date (Including this change order):	\$	16,954,735.30

Contract Time:

Authorized contract time change:	
Previous Total	242 days
This Change Order	45 days
Total to Date	287 days

Original Contract Date	12/1/2008	Final Completion	3/30/2009
Revised Contract Date - Previous Change Order	2/7/2009		11/27/2009
Revised Contract Date - This Change Order	N/A		1/11/2010

APPROVALS:

ENGINEER:

Dannenbaum Engineering Company - McAllen, LLC

Richard D. Seitz 2/18/10
Richard D. Seitz, P.E. Date
Resident Project Representative

OWNER:

Hidalgo Co. Drainage Dist. No. 1

Rene A. Ramirez 4/6/10
Rene A. Ramirez Date
Chairman of the Board

ACCEPTED:

CONTRACTOR:

SER Construction Partners, Ltd.

Fosbel E. Ramos
Fosbel E. Ramos Date
President

minerva.luna

From: RECINOS, SCOTT [SCOTT.Recinos@dhs.gov]
Sent: Thursday, March 25, 2010 2:56 PM
To: minerva.luna
Cc: lora.briones; ANDROSS, CLAIRE L; Scott.Recinos@dhs.gov
Subject: RE: DHS 0-6BC CO#36A
Attachments: image002.jpg; image003.jpg

Minnie

Since CR#36A is going to be 100% funded by the Water District and not the grant, I don't think you need our concurrence on its approval. Please let us know if you think otherwise.

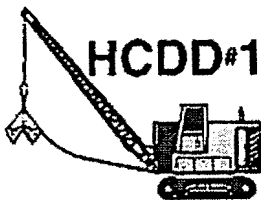
Thanks

Scott

From: prvs=minerva.luna=669e4f85b@hcdd1.org [mailto:prvs=minerva.luna=669e4f85b@hcdd1.org] **On Behalf Of** minerva.luna
Sent: Monday, March 01, 2010 12:39 PM
To: RECINOS, SCOTT
Cc: 'lora.briones'; ANDROSS, CLAIRE L
Subject: RE: DHS 0-6BC CO#36A

Scott,

Please see attached bill and Inter-local Agreement with Water District #3. Page 9 has the breakdown of \$57,914.02 for Water District DHS 0-6BC CO#35 and the full amount of \$ 480,465.67 for DHS 0-6BC CO#36 is the Water District's responsibility. I confirmed the breakdown for both Change Orders with Jaime Farias from Dannenbaum. Thanks.



Minnie Luna, Accountant
Hidalgo County Drainage District No. 1
902 N. Doolittle
Edinburg, Texas 78541
Off: (956)292-7080 ext: 5804
Fax: (956)292-7089
minerva.luna@hcdd1.org

From: RECINOS, SCOTT [mailto:SCOTT.Recinos@dhs.gov]
Sent: Monday, March 01, 2010 11:01 AM
To: minerva.luna
Cc: lora.briones; ANDROSS, CLAIRE L; Scott.Recinos@dhs.gov
Subject: RE: DHS 0-6BC CO#36A

Minnie

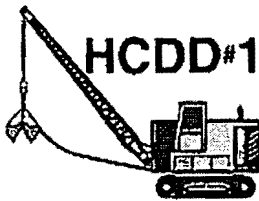
Please confirm my understanding that CO#36A for \$480K is being funded 100% by the Water District. Can you confirm how much of CO#35 for \$132K will be reimbursed by the Water District?

Thanks

Scott

From: prvs=minerva.luna=6663f48b2@hcdd1.org [mailto:prvs=minerva.luna=6663f48b2@hcdd1.org] **On Behalf Of** minerva.luna
Sent: Friday, February 26, 2010 11:25 AM
To: RECINOS, SCOTT
Cc: 'lora.briones'
Subject: FW: DHS 0-6BC CO#36A

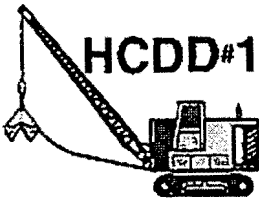
I received notification that the email was rejected. I am forwarding the hardcopies by Fed Ex. Thanks.



Minnie Luna, Accountant
Hidalgo County Drainage District No. 1
902 N. Doolittle
Edinburg, Texas 78541
Off: (956)292-7080 ext: 5804
Fax: (956)292-7089
minerva.luna@hcdd1.org

From: minerva.luna [mailto:minerva.luna@hcdd1.org]
Sent: Friday, February 26, 2010 9:58 AM
To: 'RECINOS, SCOTT'
Cc: 'lora.briones'; 'g.g@hcdd1.org'
Subject: DHS 0-6BC CO#36A

Attached you will find DHS 0-6BC CO#36A in the amount of \$480,465.67 that is pending your approval for placement on the District Agenda. I am also enclosing a copy of the invoice to the Hidalgo County Water Improvement District #3 that will cover the cost of this change order and part of the cost for DHS 0-6BC CO#35 that was previously approved. The files seem to be too large for email, so I am sending you hardcopies by fed ex.



Minnie Luna, Accountant
Hidalgo County Drainage District No. 1
902 N. Doolittle
Edinburg, Texas 78541
Off: (956)292-7080 ext: 5804
Fax: (956)292-7089
minerva.luna@hcdd1.org

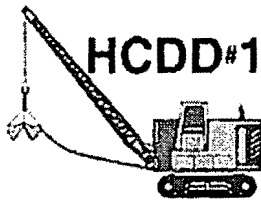
06BC CO#36A

minerva.luna

From: minerva.luna [minerva.luna@hcdd1.org]
Sent: Friday, February 26, 2010 9:58 AM
To: 'RECINOS, SCOTT'
Cc: 'lora.briones'; 'g.g@hcdd1.org'
Subject: DHS 0-6BC CO#36A

Attachments: dhs0-6bcc036a.PDF; 2-25-10 HCWID#3 Invoice DHS 0-6BC 35 & 36A packet.pdf

Attached you will find DHS 0-6BC CO#36A in the amount of \$480,465.67 that is pending your approval for placement on the District Agenda. I am also enclosing a copy of the invoice to the Hidalgo County Water Improvement District #3 that will cover the cost of this change order and part of the cost for DHS 0-6BC CO#35 that was previously approved. The files seem to be too large for email, so I am sending you hardcopies by fed ex.



Minnie Luna, Accountant
Hidalgo County Drainage District No. 1
902 N. Doolittle
Edinburg, Texas 78541
Off: (956)292-7080 ext: 5804
Fax: (956)292-7089
minerva.luna@hcdd1.org

TRANSMITTAL LETTER

DEC DANNENBAUM ENGINEERING COMPANY- MCALLEN, L.L.C.

1109 Nolana Loop, Suite 208, McAllen, Texas 78504 (956) 682-3677 Office (956) 686-1822 Fax

PROJECT: HCDD No. 1 -Hidalgo County Levee
(Name, address) Improvements Project/ DHS Segment 0-6B/C
(1.38 Miles)

PROJECT NO. 4410-08

LOG NO. 316

TO: Hidalgo County Drainage District No. 1
902 N. Doolittle Rd.
Edinburg, Texas 78541

DATE: February 23, 2010

If enclosures are not noted, please inform us immediately.

ATTN: Mr. Godfrey Garza, CFM

If checked below, please:

- () Acknowledge receipt of enclosures.
() Return enclosures to us.

WE TRANSMIT:

herewith _____ under separate cover via: _____
 in accordance with your request _____

FOR YOUR:

approval distribution to parties _____ information _____ use
 review & comment record (s)
Other: _____

THE FOLLOWING:

Drawings Shop Drawings Prints Samples
 Specifications Shop Drawing Reproducibles Product Literature
 Change Order Other _____

[Handwritten Signature]
HIDALGO COUNTY
FEB 23 2010
DRAINAGE DISTRICT #1

Copies	Date	Rev. No.	Description	Action Code
3	02/23/10	A	Original - Levee Improvement Project DHS Segment O-6 B & 0-6 C Change Order No. 36A	F
			<i>Has this been approved by DHS?</i>	
			<i>Approved by GJ</i>	

ACTION CODE
A. Action indicated on item transmitted
B. No Action Required
C. For signature and return to this office
D. For signature and forwarding as noted below under remarks
E. For Processing
F. SEE REMARKS BELOW

REMARKS: Please review. Respectfully upon your approval, we request you place the above referenced item on the next Commissioner's Court Agenda for Board approval.

COPIES TO: 4410-08/FILE	BY: <i>[Signature]</i>
Hand-Delivery Signature	Printed Name: Jaime X. Farias, E.I.T.

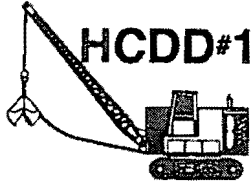
HIDALGO COUNTY DRAINAGE DISTRICT NUMBER ONE

902 NORTH DOOLITTLE

EDINBURG, TEXAS 78542

(956) 292-7080

FAX (956) 292-7089



LETTER OF TRANSMITTAL

GODFREY GARZA, JR.
DISTRICT MANAGER

902 N. Doolittle
Edinburg, TX 78542
956-292-7080
956-292-7089-FAX

Date: 2-25-10

TO: Hidalgo City Water Improvement FROM: HCDD#1
Dist #3 MINNIE

1325 Pecan Blvd. McAllen Tx
78501

ATTENTION: Ofhal Brand Jr

JOB TITLE: President
686-8303

REASON FOR TRANSMITTAL CHECKED BELOW:

- | | | |
|---|--|--|
| <input type="checkbox"/> AS REQUESTED | <input type="checkbox"/> FOR APPROVAL | <input type="checkbox"/> REVIEW AND COMMENT |
| <input type="checkbox"/> RETURNED FOR CORRECTIONS | <input type="checkbox"/> APPROVED AS NOTED | <input type="checkbox"/> OTHER |
| <input type="checkbox"/> APPROVED AS SUBMITTED | <input type="checkbox"/> COPY OF LETTER | <input checked="" type="checkbox"/> HAND DELIVERED |

REMARKS: INVOICE AS per Interlocal Agreement
BOD 2-17-09, copy of Interlocal Agreement
DHS 0103C CD#35 2 DHS 0103C CD#310A.

Received by: [Signature]

HIDALGO COUNTY DRAINAGE DIST. #1

902 North Doolittle
Edinburg, TX 78539
956-292-7080
Fax: 292-7089

003531

Date 3-30 20 10

Received of _____

The Sum of Five hundred thirty-eight thousand three hundred seventy Dollars \$ 538,379.69
and 69/100

For DHS 0-6BC CO# 35 #57,914.02
DHS 0-6BC CO# 36A #480,465.67

Cash Check M.O. Credit Card

By Laura Ramsey **THANK YOU!**

TRANSMITTAL LETTER

DEC DANNENBAUM ENGINEERING COMPANY- MCALLEN, L.L.C.

1109 Nolana Loop, Suite 208, McAllen, Texas 78504 (956) 682-3677 Office (956) 686-1822 Fax

PROJECT: HCDD No. 1 - Hidalgo County Levee
(Name, address) Improvements Project/ DHS Segment 0-6A
(2.59 Miles)

PROJECT NO. 4410-07

LOG NO. 336

TO: Hidalgo County Drainage District No. 1
902 N. Doolittle Rd.
Edinburg, Texas 78541

DATE: March 30, 2010

If enclosures are not noted, please inform us immediately.

ATTN: Mr. Godfrey Garza, CFM
District Manager

If checked below, please:

() Acknowledge receipt of enclosures.

() Return enclosures to us.

WE TRANSMIT:

herewith _____ under separate cover via: _____

_____ in accordance with your request _____

FOR YOUR:

_____ approval _____ distribution to parties _____ information use

_____ review & comment _____ record (s)

_____ Other: _____

THE FOLLOWING:

_____ Drawings _____ Shop Drawings Prints _____ Samples

_____ Specifications _____ Shop Drawing Reproducibles _____ Product Literature

_____ Change Order Other see below

Copies	Date	Rev. No.	Description	Action Code
1	03/30/10		Check #1657 for the amount of \$538,379.69 from Hidalgo County Water Improvement District #3 to Hidalgo County Drainage District No. 1	F

ACTION CODE

A. Action indicated on item transmitted
B. No Action Required
C. For signature and return to this office

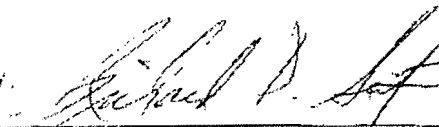
D. For signature and forwarding as noted below under remarks
E. For Processing
F. See Remarks Below

REMARKS:

The above referenced item is payment for work performed by SER Construction Partners, Ltd. for construction of additional RCB penetrations at DHS Segment 0-06A wall and extension of RCB's on both sides of the HCWID#3 canal.

COPIES TO:
4410-07/File

BY:



Hand-Delivery
Signature



Printed Name: Richard D. Seitz, P.E.
Resident Project Representative

1657

HIDALGO CO. WATER IMPROVEMENT
DISTRICT #3
M & O ACCOUNT
1325 PECAN BLVD
MCALLEN, TX 78501-4351

03/30/2010

A-0001657

FIRST NATIONAL BANK
88-2141-1149

PAY TO THE
ORDER OF

HIDALGO COUNTY DRAINAGE DIST 1

FIVE-HUNDRED THIRTY-EIGHT THOUSAND THREE HUNDRED SEVENTY-NINE & 69/100 DOLLARS

\$ **538,379.69

HIDALGO COUNTY DRAINAGE DIST 1
902 N. DOOLITTLE
EDINBURG TX 78539-0000

MEMO

[Handwritten Signature]

[Handwritten Signature]

AUTHORIZED SIGNATURE

Security features Details on back

⑈001657⑈ ⑆1214921415⑆ ⑈0140018409⑈

HIDALGO CO. WATER IMPROVEMENT DISTRICT #3 M & O ACCOUNT

1657

VENDOR 2753 HIDALGO COUNTY DRAINAGE DIST 1 DATE 03/30/2010 0001657
INVOICE# OLD PUMP CHECK AMOUNT \$538379.69

ACCOUNT# DESCRIPTION AMOUNT
8152.000 MAJOR REHAB - PUMPSTATION 538379.69

HIDALGO County Drainage District No. 1
 LEVEE IMPROVEMENTS PROJECT
 DHS SEGMENT O-6B & O-8C (1.38 MILES)

CHANGE ORDER NO. 36A

ATTACHMENT A

TABULATION OF QUANTITY AND COST

Date: February 3, 2010

Contract No.
 Dannenbaum No.

08-017-09-02
 4410-08 / 4410-09

Contractor: SER Construction Partners, Ltd.
 3636 Pasadena Blvd.
 Pasadena, Texas 77503

Description: Modification to Original Plans to accommodate H.C.W.I.D. No. 3 Improvements.

COST SUMMARY

BID ITEM NO.		UNITS	ORIGINAL QNTYS			REVISED QNTYS			VARIANCE AMOUNT
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38	BOLLARD (TRANSPORT FROM STAGING AREA & INSTALL PER PLANS)(10 FT)	EA	2,911.00	\$ 102.00	\$ 296,922.00	2,849.00			
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81	CONSTRUCT GATE WELL STRUCTURE W/ SLUICE GATE, GRATE & LADDER (6 ft x 6 ft)	EA	1.00	\$ 117,803.98	\$ 117,803.98	3.00			
89	REINF CONC PIPE (24 IN)(CL V)	EA	95.00	\$ 155.12	\$ 14,736.40	0.00			
N/A	ENGINEERING INSPECTION	DAY	0.00	\$ -	\$ -	60.00			
GRAND TOTAL								\$	-

NOTE: QUANTITIES SHOWN REPRESENT WORK IN ADDITION TO ORIGINAL DHS CONSTRUCTION WITH THE ADDITIONAL ACCESS RAMP BY CBP.

HIDALGO COUNTY
 FEB 23 2010
 DRAINAGE DISTRICT #1

AI-21089

6.

Short Boom Excavator

DRAINAGE DISTRICT

Date: 05/11/2010
Submitted By: Jaime Salazar, DRAINAGE DISTRICT
Submitted For: Jaime Salazar
Department: DRAINAGE DISTRICT

Information

CAPTION

A. Requesting approval to accept bid and award to lowest bidder meeting all required specifications for RFB No. 10-005-04-28 "One (1) used 2004 or newer Hydraulic Excavator with 2 1/2 yard heavy duty bucket".

B. Requesting approval to accept bids and approval of contract(s) for Bid No. 10-006-04-28 "PIPES" to multiple vendors as follows:

1. ACT Pipe & Supply
2. Alamo Concrete
3. Contech Construction Products
4. Rio Valley Pipe

BACKGROUND

Fiscal Impact

Attachments

Link: [Excavator Bid Tabulation](#)

Link: [Pipes Bid Tabulation](#)

Form Routing/Status

Route Seq	Inbox	Approved By	Date	Status
1	Budget & Management	Erika Zamora	05/05/2010 02:06 PM	APRV
2	Perla Lopez	Perla Lopez	05/06/2010 10:53 AM	APRV
3	Final Approval		05/07/2010 05:18 PM	NEW

Form Started By: Jaime Salazar

Started On: 05/05/2010 01:37 PM

Final Approval Date: 05/07/2010

Hidalgo County Drainage District No. 1

Bid No. 10-006-04-28

BID TABULATION

RUBBER GASKET PIPE	Vendors					
	ACT PIPE & SUPPLY	ALAMO CONCRETE	FERGUSON WATERWORKS	CONTECH PRODUCTS	RIO VALLEY PIPE	
8' x 12"	NO BID SUBMITTED	NO BID	NO BID SUBMITTED	NO BID SUBMITTED	\$10.75 LF	
8' x 15"		NO BID			\$11.10 LF	
8' x 18"		\$9.50 LF			\$16.15 LF	
8' x 24"		\$14.75 LF			\$20.70 LF	
8' x 30"		\$21.00 LF			\$27.10 LF	
8' x 36"		\$29.00 LF			\$37.80 LF	
8' x 42"		\$37.00 LF			\$46.75 LF	
8' x 48"		\$47.00 LF			\$57.80 LF	
8' x 54"		\$55.00 LF			\$67.70 LF	
8' x 60"		\$72.00 LF			\$82.90 LF	
8' x 66"		NO BID			NO BID	
8' x 72"		\$110.00 LF			\$115.70 LF	

