



**CONSENT AGENDA  
DRAINAGE DISTRICT  
BOARD OF DIRECTORS  
April 5, 2016  
9:00 A.M.**

**NOTICE is hereby given in accordance with Chapter 551, Texas Government Code, that a SPECIAL MEETING of the Drainage District #1 Board of Directors will be held in the Commissioners' Courtroom of the Administration Building, 100 E. Cano, 1st floor, Edinburg, Hidalgo County, Texas. Discussion and possible action relating to the following business will be transacted:**

**NOTICE TO THE PUBLIC  
CONSENT AGENDA**

**The following items are of a routine or administrative nature. The Drainage District #1 Board has been furnished with background and support on each item, and/or it has been discussed at a previous meeting. All items will be acted upon by one vote without being discussed separately unless requested by a Board Member, in which event the item or items will immediately be withdrawn for individual consideration in its normal sequence after the items not requiring separate discussion have been acted upon. The remaining items will be adopted by one vote.**

1. Approval of check register and payment of claims and bills - County Treasurer
  
2. AI Utility Permit  
-53894 City of Alamo- Proposes to install a 10" PVC sanitary line in the HCDD1 R.O.W. Starting at Lot 79, Valle Dulce Ph. 1 ending at Lot 8, Block 34, Alamo Land & Sugar Subdivision
  
3. AI 2013 Bond Projects - Rural Drainage Development Pct #4  
-54011
  - A. Request approval of payment to L & G Engineering for the Material Testing of the Tower Rd and Mile 17 1/2 Drainage Improvements Work Authorization #1. Invoice No. 15-11-000022 in the amount of \$1,150.88.
  
  - B. Request approval of payment to L & G Engineering for the Material Testing of the Tower Road and Mile 17 1/2 Drainage Improvements Work Authorization #1. Invoice No. 15-12-000025 in the amount of \$1,851.66.

2013 Bond Projects - Rural Drainage Development Pct #4

  - C. Request approval of payment to L & G Engineering for the Material Testing of the Hoehn Road Area Drainage & Road Improvements Work Authorization #2. Invoice No. 16-2-000030 in the amount of \$1,284.32.



AI -53894

2.

DRAINAGE - CONSENT

Meeting Date: 04/05/2016

Submitted By: Esther Layton, DRAINAGE  
DISTRICT

Department: DRAINAGE DISTRICT

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#### Information

##### CAPTION

##### Utility Permit

City of Alamo- Proposes to install a 10" PVC sanitary line in the HCDD1 R.O.W. Starting at Lot 79, Valle Dulce Ph. 1 ending at Lot 8, Block 34, Alamo Land & Sugar Subdivision

##### BACKGROUND

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##### Fiscal Impact

##### Attachments

*No file(s) attached.*

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##### Form Review

Inbox	Reviewed By	Date
Budget & Management	Veronica Ortiz	03/30/2016 08:02 AM
Final Approval	Monica Badillo	04/01/2016 05:22 PM
Form Started By: Esther Layton		Started On: 03/22/2016 03:15 PM
Final Approval Date: 04/01/2016		

AI -54011

3.

DRAINAGE - CONSENT

Meeting Date: 04/05/2016

Submitted Lora Briones

Submitted By: Lora Briones, DRAINAGE DISTRICT

For:

Department: DRAINAGE DISTRICT

Information

CAPTION

2013 Bond Projects - Rural Drainage Development Pct #4

A. Request approval of payment to L & G Engineering for the Material Testing of the Tower Rd and Mile 17 1/2 Drainage Improvements Work Authorization #1. Invoice No. 15-11-000022 in the amount of \$1,150.88.

B. Request approval of payment to L & G Engineering for the Material Testing of the Tower Road and Mile 17 1/2 Drainage Improvements Work Authorization #1. Invoice No. 15-12-000025 in the amount of \$1,851.66.

2013 Bond Projects - Rural Drainage Development Pct #4

C. Request approval of payment to L & G Engineering for the Material Testing of the Hoehn Road Area Drainage & Road Improvements Work Authorization #2. Invoice No. 16-2-000030 in the amount of \$1,284.32.

BACKGROUND

Fiscal Impact

Attachments

Inv.16-2-00030

Inv. 15-12-000025

Inv. 15-12-000022

Form Review

Inbox	Reviewed By	Date
Budget & Management	Veronica Ortiz	04/01/2016 11:13 AM
Final Approval	Monica Badillo	04/01/2016 05:22 PM
Form Started By: Lora Briones		Started On: 04/01/2016 10:22 AM
Final Approval Date: 04/01/2016		



# Hidalgo County Drainage District No. 1

902 North Doolittle Road

Edinburg, Texas 78542

Office: (956) 292-7080

## Invoice Processing Checklist/Routing Slip Invoice/ Backup

Date Received: 3/2/2016

Engineer/Firm Name: L&G Engineering

Project Name/Number: Hoehn Rd Area WA No. 2

Invoice No.: 16-2-000030

Purchase Order No.: \_\_\_\_\_

Received By: Rosa Arce

Forwarded to: Nora D. Cavazos \_\_\_\_\_ Date: \_\_\_\_\_  
Claudette Guerrero \_\_\_\_\_ Date: \_\_\_\_\_

Total # of Pages Submitted: 6

Attachments: \_\_\_\_\_

Forwarded to: Jose N. Saldivar \_\_\_\_\_ Date: \_\_\_\_\_

Forwarded to: Lora Briones \_\_\_\_\_ Date: \_\_\_\_\_

Additional Comments: \$1,284.32

MAR 02 2016

10:32 AM/PM

BY: Rosa One

Page 1 of 2

2100 W. Expressway 83  
 Mercedes, TX 78570  
 Office (956) 565-0760 Fax (956) 565-6746

**Client Address:** Hidalgo County Drainage District No. 1  
 Accounts Payable  
 902 N. Doolittle Rd.  
  
 Edinburg, TX. 78541

**Account No.:** E87  
**Project No:** E871503  
**Project Desc.:** Hoehn Road Area Drainage & Road Imprvts.  
 WA #2

**Due Date:** UPON RECEIPT

**Budget/Remaining:** \$35,882.61 / \$34,598.29

===== Invoice Summary by Billing Code =====

	<u>Unit Rate</u>	<u>Qty</u>	<u>Extension</u>
910:91004 - Atterberg Limits Det	\$79.66	1.00	\$79.66
910:91006 - Materials Finer #200	\$66.47	1.00	\$66.47
910:91008 - TxDOT Proctor (Tex 113/114)	\$212.59	1.00	\$212.59
910:91011 - Field Density (Nuclear Method)	\$23.91	5.00	\$119.55
940:94048 - Eng. Tech. (Soils / SP.)	\$51.34	7.00	\$359.38
940:94054 - Engineering Lab Mgr.	\$102.68	0.75	\$77.01
940:94055 - Project Engineer	\$129.86	0.75	\$97.41
950:95058 - Vehicle Trip Charge	\$0.56	198.00	\$110.88
950:95060 - Administrative / Clerical	\$60.40	1.50	\$90.60
950:95061 - Test Report	\$23.59	3.00	\$70.77
<b>Total for this Invoice:</b>			<b>\$1,284.32</b>

===== Invoice Detail by Report =====

<u>Report No.</u>	<u>Sampled</u>	<u>Qty</u>	<u>Billing Code</u>	<u>Unit Type</u>	<u>Unit Rate</u>	<u>Extension</u>
R001	02/02/2016	1.00	910:91004 - Atterberg Limits Det	Each	\$79.66	\$79.66
R001	02/02/2016	1.00	910:91006 - Materials Finer #200	Each	\$66.47	\$66.47
R001	02/02/2016	1.00	910:91008 - TxDOT Proctor (Tex 113/114)	Each	\$212.59	\$212.59
R001	02/02/2016	3.00	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$51.34	\$154.02
R001	02/02/2016	0.25	940:94054 - Engineering Lab Mgr.	Hour	\$102.68	\$25.67
R001	02/02/2016	0.25	940:94055 - Project Engineer	Hour	\$129.86	\$32.47
R001	02/02/2016	66.00	950:95058 - Vehicle Trip Charge	Mile	\$0.56	\$36.96
R001	02/02/2016	0.50	950:95060 - Administrative / Clerical	Hour	\$60.40	\$30.20

**REMIT TO:** 2100 W. Expressway 83  
 Mercedes, TX 78570  
 Office (956) 565-0760 Fax (956) 565-6746

**Net 30 Days**

2100 W. Expressway 83  
 Mercedes, TX 78570  
 Office (956) 565-0760 Fax (956) 565-6746

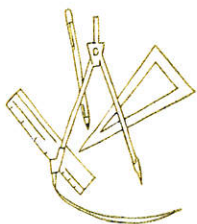
===== Invoice Detail by Report =====

<u>Report No.</u>	<u>Sampled</u>	<u>Qty</u>	<u>Billing Code</u>	<u>Unit Type</u>	<u>Unit Rate</u>	<u>Extension</u>
R001	02/02/2016	1.00	950:95061 - Test Report	Each	\$23.59	\$23.59
						<i>Report Number R001 for a Subtotal of:</i>
R002	02/06/2016	2.00	910:91011 - Field Density (Nuclear Method)	Each	\$23.91	\$47.82
R002	02/06/2016	2.00	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$51.34	\$102.68
R002	02/06/2016	0.25	940:94054 - Engineering Lab Mgr.	Hour	\$102.68	\$25.67
R002	02/06/2016	0.25	940:94055 - Project Engineer	Hour	\$129.86	\$32.47
R002	02/06/2016	66.00	950:95058 - Vehicle Trip Charge	Mile	\$0.56	\$36.96
R002	02/06/2016	0.50	950:95060 - Administrative / Clerical	Hour	\$60.40	\$30.20
R002	02/06/2016	1.00	950:95061 - Test Report	Each	\$23.59	\$23.59
						<i>Report Number R002 for a Subtotal of:</i>
R003	02/06/2016	3.00	910:91011 - Field Density (Nuclear Method)	Each	\$23.91	\$71.73
R003	02/06/2016	2.00	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$51.34	\$102.68
R003	02/06/2016	0.25	940:94054 - Engineering Lab Mgr.	Hour	\$102.68	\$25.67
R003	02/06/2016	0.25	940:94055 - Project Engineer	Hour	\$129.86	\$32.47
R003	02/06/2016	66.00	950:95058 - Vehicle Trip Charge	Mile	\$0.56	\$36.96
R003	02/06/2016	0.50	950:95060 - Administrative / Clerical	Hour	\$60.40	\$30.20
R003	02/06/2016	1.00	950:95061 - Test Report	Each	\$23.59	\$23.59
						<i>Report Number R003 for a Subtotal of:</i>
						<b>Total for this Invoice:</b>
						<b>\$1,284.32</b>

REMIT TO:2100 W. Expressway 83  
 Mercedes, TX 78570  
 Office (956) 565-0760 Fax (956) 565-6746

Net 30 Days

PAST DUE BALANCES SUBJECT TO 1.5% SERVICE CHARGE PER MONTH  
 PLEASE REFERENCE INVOICE NUMBER WITH PAYMENT



February 29, 2016

**RECEIVED**  
HIDALGO COUNTY  
DRAINAGE DISTRICT #1

MAR 02 2016

10:32 AM/PM

BY: Rosalva

Mr. Raul Sesin, P.E.  
Attn: Mr. Jaime Salazar  
Hidalgo County Drainage District No. 1  
902 N. Doolittle Road  
Edinburg, Texas 78541

**RE: Hoehn Road Area Drainage & Road Improvements**

Dear Mr. Salazar:

Included for your use with this letter are test reports **R001 thru R003** for **Construction Materials Testing** performed on the above referenced project. Unless otherwise noted, all test results meet or exceed requirements. Also attached herein, is an invoice for the services provided.

L&G Engineering appreciates the opportunity to serve your material testing needs on this project, and we look forward to working with you in the future.

If you have any questions, please feel free to contact me at 956-565-0760.

Sincerely,

Ricardo A. Gil  
General Manager

Attachments

Cc: Hidalgo County Pct. #4, Ms. Maria Lucio

## PROCTOR TEST REPORT

Project Description: Hoehn Road Area Drainage & Road Imprvts. WA #2  
 Client: Hidalgo County Drainage District No. 1

L&G Project Number: E871503  
 L&G Report Number: R001  
 Sample Date: 02/02/2016  
 Date Reported: 02/02/2016

Page 1 of 1

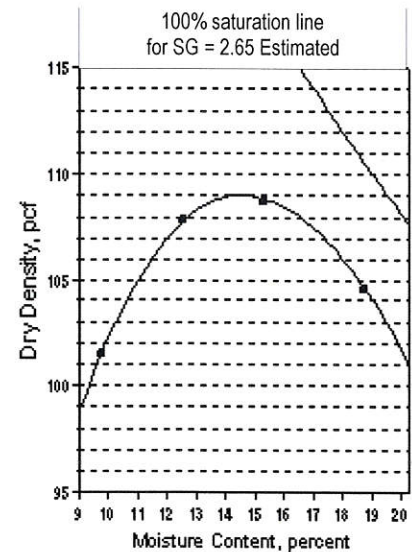
Compaction Method: ASTM D-698  
 Material Description: Trench Backfill

Specific Gravity: 2.65

Liquid Limit: 43  
 Plastic Limit: 16  
 Plasticity Index: 27  
 % Passing No. 200: 31  
 Group Symbol:

Specimen No.:	1	2	3	4
Moisture, %:	9.7	12.6	15.3	18.8
Dry Density (pcf):	101.3	107.8	108.7	104.5

Maximum Dry Density in P.C.F.: 109.0  
 Optimum Moisture (%): 14.4



**Remarks:** Sampled from Stockpile (sta 1+30)  
**Test Method:** ASTM D-698 Method-A, ASTM D-4318, ASTM D-1140

Orig: Hidalgo County Drainage District No. 1  
 (Edinburg, TX) Attn: Raul Sesin, P.E.  
 (1-cc copy)  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering



\_\_\_\_\_  
 Ricardo A. Gil, Lab Manager

## FIELD DENSITIES TEST REPORT

Project Description: Hoehn Road Area Drainage & Road Imprvts. WA #2  
 Client: Hidalgo County Drainage District No. 1

L&G Project Number: E871503  
 L&G Report Number: R002  
 Sample Date: 02/06/2016  
 Date Reported: 02/06/2016

Page 1 of 1

<b>Material Description</b>	Trench Backfill		
<b>Required % Proctor</b>	95	<b>Moisture Tolerance</b>	-1+3
	<u>Proctor No</u>	<u>Optimum % Moisture</u>	<u>Opt. Density, LB/CF</u>
	TB MD1	14.4	109.0

Test No.	Test Location	Proctor No	Moisture Content	Dry Density	Percent Compaction	Depth (inch)
1	54" R.C.P. Drainage at Sta. 8+84 1st Lift	TB MD1	13.5%	112.9 pcf	103.6% (Pass)	12"
2	54" R.C.P. Drainage at Sta. 8+95 1st Lift	TB MD1	15.7%	111.2 pcf	102.0% (Pass)	12"

Remarks: Test results are in general compliance with the project specifications except as noted.  
 Test Methods: ASTM D2922, D3017

Orig: Hidalgo County Drainage District No. 1  
 (Edinburg, TX) Attn: Raul Sesin, P.E.  
 (1-cc copy)  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering



\_\_\_\_\_  
 Ricardo A. Gil, Lab Manager

## FIELD DENSITIES TEST REPORT

Project Description: Hoehn Road Area Drainage & Road Imprvts. WA #2  
 Client: Hidalgo County Drainage District No. 1

L&G Project Number: E871503  
 L&G Report Number: R003  
 Sample Date: 02/06/2016  
 Date Reported: 02/06/2016

Page 1 of 1

<b>Material Description</b>	Trench Backfill		
<b>Required % Proctor</b>	95	<b>Moisture Tolerance</b>	-1+3
	<u>Proctor No</u>	<u>Optimum % Moisture</u>	<u>Opt. Density, LB/CF</u>
	TB MD1	14.4	109.0

Test No.	Test Location	Proctor No	Moisture Content	Dry Density	Percent Compaction	Depth (inch)
1	54" R.C.P. Sta. 8+50 2nd Lift	TB MD1	14.1%	106.0 pcf	97.2% (Pass)	12"
2	54" R.C.P. Sta. 9+20 Final Lift	TB MD1	14.4%	109.9 pcf	100.8% (Pass)	12"
3	54" R.C.P. Sta. 6+50 Final Lift	TB MD1	15.9%	108.0 pcf	99.1% (Pass)	12"

Remarks: Test results are in general compliance with the project specifications except as noted.  
 Test Methods: ASTM D2922, D3017

Orig: Hidalgo County Drainage District No. 1  
 (Edinburg, TX) Attn: Raul Sesin, P.E.  
 (1-cc copy)  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering



\_\_\_\_\_  
 Ricardo A. Gil, Lab Manager



# Hidalgo County Drainage District No. 1

902 North Doolittle Road

Edinburg, Texas 78542

Office: (956) 292-7080

## Invoice Processing Routing Slip

Invoice/ Backup

Date Received:

3/11/2016

Engineer/Firm Name:

L&G Engineering

Project Name/Number:

Tower Rd. & Mile 17 1/2 Imp. WA No. 1

Invoice No.:

15-12-000025

Purchase Order No.:

627949

Received By:

Rosa Arce

Forwarded to:

Nora D. Cavazos  
Claudette Guerrero

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Total # of Pages Submitted:

8

Attachments:

R007 thru R009 Const. Materials Testing

Amount:

\$1,851.66

Forwarded to:

Jose N. Saldivar

Date: \_\_\_\_\_

Forwarded to:

Lora Briones

Date: \_\_\_\_\_

Additional Comments:

THIS ROUTING SLIP MUST BE KEPT WITH ORIGINAL INVOICE



# Hidalgo County Drainage District No. 1

902 North Doolittle Road

Edinburg, Texas 78542

Office: (956) 292-7080

## Invoice Processing Routing Slip

Invoice/ Backup

Date Received:

3/11/2016

Engineer/Firm Name:

L&G Engineering

Project Name/Number:

Tower Rd. & Mile 17 1/2 Imp. WA No. 1

Invoice No.:

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Purchase Order No.:

627949

Received By:

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Nora D. Cavazos  
Claudette Guerrero

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Total # of Pages Submitted:

8

Attachments:

R007 thru R009 Const. Materials Testing

Amount:

\$1,851.66

Forwarded to:

Jose N. Saldivar

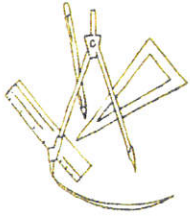
Date: \_\_\_\_\_

Forwarded to:

Lora Briones

Date: \_\_\_\_\_

Additional Comments:



December 16, 2015

Mr. Raul Sesin, P.E.  
Attn: Mr. Jaime Salazar  
Hidalgo County Drainage District No. 1  
902 N. Doolittle Road  
Edinburg, Texas 78541

**RECEIVED**  
HIDALGO COUNTY  
DRAINAGE DISTRICT #1

DEC 21 2015

1228 AM / PM

BY: Rosalba

**RE: Pct. 4 Tower Rd & Mile 17 ½ Rd. Area Drainage Improvements**

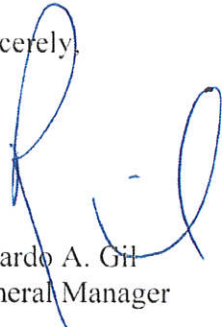
Dear Mr. Salazar:

Included for your use with this letter are test reports **R007 thru R009** for **Construction Materials Testing** performed on the above referenced project. Also attached herein, is an invoice for the services provided.

L&G Engineering appreciates the opportunity to serve your material testing needs on this project, and we look forward to working with you in the future.

If you have any questions, please feel free to contact me at 956-565-0760.

Sincerely,

  
Ricardo A. Gil  
General Manager

Attachments

**CONCRETE COMPRESSION  
TEST REPORT**

Project Description: Tower Rd & Mile 17 1/2 Drainage Imprvts. WA #1  
 Client: Hidalgo County Drainage District No. 1

L&G Project Number: E871502  
 L&G Report Number: R006-28  
 Sample Date: 11/04/2015  
 Date Reported: 12/02/2015

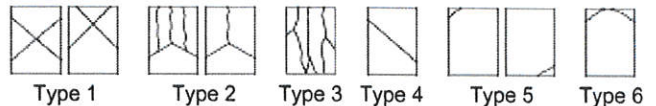
Client PO: 627949

Page 1 of 1

Placement Location: Drain Ditch Rip Rap - East Side  
 Mix ID: 3000psi Supplier: Royal Ready Mix  
 Specified Strength: 3,000 P.S.I. @ 28 days  
 Specified Slump: 3.5 Slump: 2.5"  
 Specified Air Content: N/A Air Content: 1.6%  
 Weather Conditions: Cloudy, breezy Air Temp.: 88°f  
 Time Batched: 9:00 am Time Sampled: 10:00 am Concrete Temp.: 85°f  
 Plant Ticket No: 016241 Truck No: 32 CY: 10  
 Water: 10 gal.

**Compressive Strength Data**

Set No.	Identification	Test Date	Age (days)	Maximum Load (pounds)	Break Type	Comp. Strength (psi)	Average Strength (psi)	% of Design
1	A	11/11/2015	7	76,470	Type 2	2,700		90.00%
	B	11/11/2015	7	84,155	Type 4	2,980	2,840	99.33%
	C	12/02/2015	28	108,565	Type 3	3,840		128.00%
	D	12/02/2015	28	114,785	Type 3	4,060	3,950	135.33%



**Remarks/Comments:**  
 6 x 12 in. Cylinders

Orig: Hidalgo County Drainage District No. 1  
 (Edinburg, TX) Attn: Raul Sesin, P.E.  
 (1-cc copy)  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering



Ricardo A. Gil, Lab Manager



# Hidalgo County Drainage District No. 1

902 North Doolittle Road

Edinburg, Texas 78542

Office: (956) 292-7080

## Invoice Processing Routing Slip

Invoice/ Backup

Date Received: 3/11/2016

Engineer/Firm Name: L&G Engineering

Project Name/Number: Tower Rd. & Mile 17 1/2 Imp. WA No. 1

Invoice No.: 15-12-000025

Purchase Order No.: 627949

Received By: Rosa Arce

Forwarded to: Nora D. Cavazos Date: \_\_\_\_\_  
Claudette Guerrero Date: \_\_\_\_\_

Total # of Pages Submitted: 8

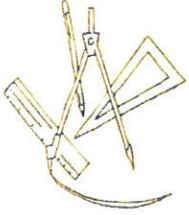
Attachments: R007 thru R009 Const. Materials Testing

Amount: \$1,851.66

Forwarded to: Jose N. Saldivar Date: \_\_\_\_\_

Forwarded to: Lora Briones Date: \_\_\_\_\_

Additional Comments: \_\_\_\_\_



December 16, 2015

Mr. Raul Sesin, P.E.  
Attn: Mr. Jaime Salazar  
Hidalgo County Drainage District No. 1  
902 N. Doolittle Road  
Edinburg, Texas 78541

**RECEIVED**  
HIDALGO COUNTY  
DRAINAGE DISTRICT #1

DEC 21 2015  
12:28 AM / PM  
BY: Rosalina

**RE: Pct. 4 Tower Rd & Mile 17 ½ Rd. Area Drainage Improvements**

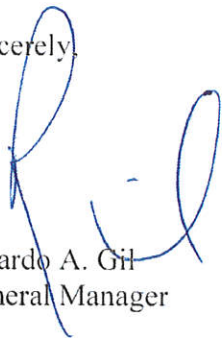
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If you have any questions, please feel free to contact me at 956-565-0760.

Sincerely,

  
Ricardo A. Gil  
General Manager

Attachments

**CONCRETE COMPRESSION  
 TEST REPORT**

Project Description: Tower Rd & Mile 17 1/2 Drainage Imprvts. WA #1  
 Client: Hidalgo County Drainage District No. 1

L&G Project Number: E871502  
 L&G Report Number: R006-28  
 Sample Date: 11/04/2015  
 Date Reported: 12/02/2015

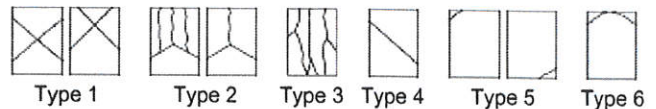
Client PO: 627949

Page 1 of 1

Placement Location: Drain Ditch Rip Rap - East Side  
 Mix ID: 3000psi Supplier: Royal Ready Mix  
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 Specified Slump: 3.5 Slump: 2.5"  
 Specified Air Content: N/A Air Content: 1.6%  
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	B	11/11/2015	7	84,155	Type 4	2,980		99.33%
	C	12/02/2015	28	108,565	Type 3	3,840	128.00%	
	D	12/02/2015	28	114,785	Type 3	4,060	3,950	135.33%



**Remarks/Comments:**  
 6 x 12 in. Cylinders

Orig: Hidalgo County Drainage District No. 1  
 (Edinburg, TX) Attn: Raul Sesin, P.E.  
 (1-cc copy)  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering

Ricardo A. Gil, Lab Manager

**PROCTOR  
TEST REPORT**

Project Description: Tower Rd & Mile 17 1/2 Drainage Imprvts. WA #1  
 Client: Hidalgo County Drainage District No. 1

L&G Project Number: E871502  
 L&G Report Number: R007  
 Sample Date: 11/24/2015  
 Date Reported: 11/24/2015

Client PO: 627949

Page 1 of 1

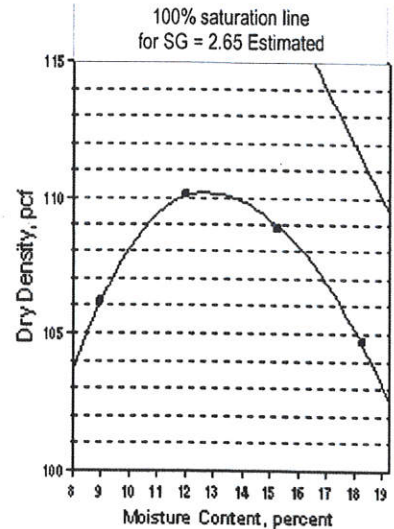
Compaction Method: ASTM D-698  
 Material Description: Insitu Subgrade

Specific Gravity: 2.65

Liquid Limit: 37  
 Plastic Limit: 13  
 Plasticity Index: 24  
 % Passing No. 200: 61  
 Group Symbol: CL

Specimen No.:	1	2	3	4
Moisture, %:	8.9	11.9	15.3	18.3
Dry Density (pcf):	106.0	110.1	108.9	104.6

Maximum Dry Density in P.C.F.: 110.2  
 Optimum Moisture (%): 12.6



Remarks: Sampled from existing roadway (Composite)  
 Test Method: ASTM D-698 Method-A, ASTM D-4318, ASTM D-1140

Orig: Hidalgo County Drainage District No. 1  
 (Edinburg, TX) Attn: Raul Sesin, P.E.  
 (1-cc copy)  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering



Ricardo A. Gil, Lab Manager

## PROCTOR TEST REPORT

Project Description: Tower Rd & Mile 17 1/2 Drainage Imprvts. WA #1  
 Client: Hidalgo County Drainage District No. 1

L&G Project Number: E871502  
 L&G Report Number: R008  
 Sample Date: 12/09/2015  
 Date Reported: 12/09/2015

Client PO: 627949

Page 1 of 1

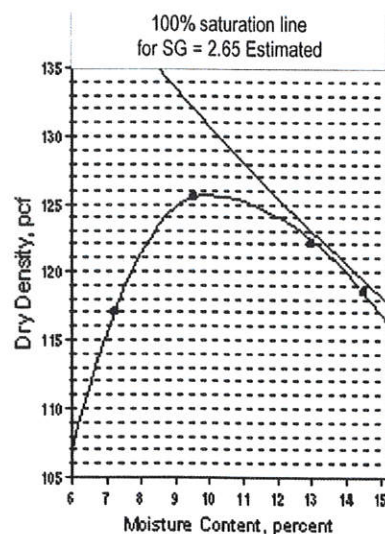
Compaction Method: TEX 113  
 Material Description: Base Material (Caliche)

Specific Gravity: 2.65

Liquid Limit: 24  
 Plastic Limit: 17  
 Plasticity Index: 7  
 % Passing No. 200:  
 Group Symbol:

Specimen No.:	1	2	3	4
Moisture, %:	7.3	9.4	12.9	14.4
Dry Density (pcf):	117.5	125.6	122.1	118.9

Maximum Dry Density in P.C.F.: 125.6  
 Optimum Moisture (%): 9.8



Remarks: Sampled from Capa Pit (Stockpile)  
 Test Method: TEX 113-E, TEX 104-E, TEX 105-E, TEX 106-E

Orig: Hidalgo County Drainage District No. 1  
 (Edinburg, TX) Attn: Raul Sesin, P.E.  
 (1-cc copy)  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering



Ricardo A. Gil, Lab Manager

## SIEVE ANALYSIS TEST REPORT

Project Description: Tower Rd & Mile 17 1/2 Drainage Imprvts. WA #1  
Client: Hidalgo County Drainage District No. 1

L&G Project Number: E871502  
L&G Report Number: R009  
Sample Date: 12/09/2015  
Date Reported: 12/09/2015

Client PO: 627949

Page 1 of 1

Material: Base Material (Caliche)

<u>Sieve</u>	<u>% Retained</u>	<u>Required</u>
2 in	0	0
1/2 in	27	20-60
No. 4	50	40-75
No. 40	77	70-90

Remarks: Texas Wet Ball Mill Value- 38.2% (Max 50%)  
Test Method (As Applicable): Tex Method 110-E, Tex Method 116-E

Orig: Hidalgo County Drainage District No. 1  
(Edinburg, TX) Attn: Raul Sesin, P.E.  
(1-cc copy)  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering



Ricardo A. Gil, Lab Manager

MAR 11 2016

11:19 AM/PM

BY: Rosa One

2100 W. Expressway 83  
Mercedes, TX 78570  
Office (956) 565-0760 Fax (956) 565-6746

Client Address: Hidalgo County Drainage District No. 1  
Accounts Payable  
902 N. Doolittle Rd.  
  
Edinburg, TX. 78541

Account No.: E87  
Project No: E871502  
Project Desc.: Tower Rd & Mile 17 1/2 Drainage Imprvts. WA #1

Due Date: UPON RECEIPT  
Budget/Remaining: \$32,329.83 / \$27,496.79  
PO: 627949

===== Invoice Summary by Billing Code =====

	<u>Unit Rate</u>	<u>Qty</u>	<u>Extension</u>
910:91004 - Atterberg Limits Det	\$79.66	2.00	\$159.32
910:91006 - Materials Finer #200	\$66.47	1.00	\$66.47
910:91009 - M-D ASTM D698 (Standard Proctor) (each)	\$205.82	2.00	\$411.64
910:91014 - Sieve Analysis (Dry & 4 Sieve)	\$72.27	1.00	\$72.27
910:91017 - Texas Wet Ball Mill Test	\$232.55	1.00	\$232.55
920:92034 - Comp. Strength of Cyl. Specimen	\$15.92	2.00	\$31.84
940:94046 - Eng. Tech. (Soils/Lab) (Hr.)	\$51.34	1.00	\$51.34
940:94047 - Eng. Tech. (Concrete / Lab)	\$51.34	0.50	\$25.67
940:94048 - Eng. Tech. (Soils / SP.)	\$51.34	6.00	\$308.04
940:94054 - Engineering Specialist	\$102.68	1.00	\$102.68
940:94055 - Engineer / P.E.	\$129.86	1.00	\$129.88
950:95058 - Vehicle Trip Charge	\$0.56	80.00	\$44.80
950:95060 - Administrative / Clerical	\$60.40	2.00	\$120.80
950:95061 - Test Report	\$23.59	4.00	\$94.36
<b>Total for this Invoice:</b>			<b>\$1,851.66</b>

===== Invoice Detail by Report =====

<u>Report No.</u>	<u>Sampled</u>	<u>Qty</u>	<u>Billing Code</u>	<u>Unit Type</u>	<u>Unit Rate</u>	<u>Extension</u>
R006-28	11/04/2015	2.00	920:92034 - Comp. Strength of Cyl. Specimen	Each	\$15.92	\$31.84
R006-28	11/04/2015	0.50	940:94047 - Eng. Tech. (Concrete / Lab)	Each	\$51.34	\$25.67
R006-28	11/04/2015	0.25	940:94054 - Engineering Specialist	Hour	\$102.68	\$25.67
R006-28	11/04/2015	0.25	940:94055 - Engineer / P.E.	Hour	\$129.86	\$32.47

REMIT TO: 2100 W. Expressway 83  
Mercedes, TX 78570  
Office (956) 565-0760 Fax (956) 565-6746

Net 30 Days

PAST DUE BALANCES SUBJECT TO 1.5% SERVICE CHARGE PER MONTH  
PLEASE REFERENCE INVOICE NUMBER WITH PAYMENT

**2100 W. Expressway 83  
 Mercedes, TX 78570  
 Office (956) 565-0760 Fax (956) 565-6746**

===== Invoice Detail by Report =====

<u>Report No.</u>	<u>Sampled</u>	<u>Qty</u>	<u>Billing Code</u>	<u>Unit Type</u>	<u>Unit Rate</u>	<u>Extension</u>
R006-28	11/04/2015	0.50	950:95060 - Administrative / Clerical	Hour	\$60.40	\$30.20
R006-28	11/04/2015	1.00	950:95061 - Test Report	Each	\$23.59	\$23.59
Report Number R006-28 for a Subtotal of:						\$169.44
R007	11/24/2015	1.00	910:91004 - Atterberg Limits Det	Each	\$79.66	\$79.66
R007	11/24/2015	1.00	910:91006 - Materials Finer #200	Each	\$66.47	\$66.47
R007	11/24/2015	1.00	910:91009 - M-D ASTM D698 (Standard Proctor) (each)	Each	\$205.82	\$205.82
R007	11/24/2015	3.00	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$51.34	\$154.02
R007	11/24/2015	0.25	940:94054 - Engineering Specialist	Hour	\$102.68	\$25.67
R007	11/24/2015	0.25	940:94055 - Engineer / P.E.	Hour	\$129.86	\$32.47
R007	11/24/2015	40.00	950:95058 - Vehicle Trip Charge	Mile	\$0.56	\$22.40
R007	11/24/2015	0.50	950:95060 - Administrative / Clerical	Hour	\$60.40	\$30.20
R007	11/24/2015	1.00	950:95061 - Test Report	Each	\$23.59	\$23.59
Report Number R007 for a Subtotal of:						\$640.30
R008	12/09/2015	1.00	910:91004 - Atterberg Limits Det	Each	\$79.66	\$79.66
R008	12/09/2015	1.00	910:91009 - M-D ASTM D698 (Standard Proctor) (each)	Each	\$205.82	\$205.82
R008	12/09/2015	3.00	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$51.34	\$154.02
R008	12/09/2015	0.25	940:94054 - Engineering Specialist	Hour	\$102.68	\$25.67
R008	12/09/2015	0.25	940:94055 - Engineer / P.E.	Hour	\$129.86	\$32.47
R008	12/09/2015	40.00	950:95058 - Vehicle Trip Charge	Mile	\$0.56	\$22.40
R008	12/09/2015	0.50	950:95060 - Administrative / Clerical	Hour	\$60.40	\$30.20
R008	12/09/2015	1.00	950:95061 - Test Report	Each	\$23.59	\$23.59
Report Number R008 for a Subtotal of:						\$573.83
R009	12/09/2015	1.00	910:91014 - Sieve Analysis (Dry & 4 Sieve)	Each	\$72.27	\$72.27
R009	12/09/2015	1.00	910:91017 - Texas Wet Ball Mill Test	Each	\$232.55	\$232.55
R009	12/09/2015	1.00	940:94046 - Eng. Tech. (Soils/Lab) (Hr.)	Hour	\$51.34	\$51.34
R009	12/09/2015	0.25	940:94054 - Engineering Specialist	Hour	\$102.68	\$25.67
R009	12/09/2015	0.25	940:94055 - Engineer / P.E.	Hour	\$129.86	\$32.47
R009	12/09/2015	0.50	950:95060 - Administrative / Clerical	Hour	\$60.40	\$30.20

**REMIT TO: 2100 W. Expressway 83  
 Mercedes, TX 78570  
 Office (956) 565-0760 Fax (956) 565-6746**

**Net 30 Days**

**PAST DUE BALANCES SUBJECT TO 1.5% SERVICE CHARGE PER MONTH  
 PLEASE REFERENCE INVOICE NUMBER WITH PAYMENT**

2100 W. Expressway 83  
 Mercedes, TX 78570  
 Office (956) 565-0760 Fax (956) 565-6746

===== Invoice Detail by Report =====

<u>Report No.</u>	<u>Sampled</u>	<u>Qty</u>	<u>Billing Code</u>	<u>Unit Type</u>	<u>Unit Rate</u>	<u>Extension</u>
R009	12/09/2015	1.00	950:95061 - Test Report	Each	\$23.59	\$23.59
<i>Report Number R009 for a Subtotal of:</i>						\$468.09
<b>Total for this Invoice:</b>						<b>\$1,851.66</b>

REMIT TO:2100 W. Expressway 83  
 Mercedes, TX 78570  
 Office (956) 565-0760 Fax (956) 565-6746

Net 30 Days

PAST DUE BALANCES SUBJECT TO 1.5% SERVICE CHARGE PER MONTH  
 PLEASE REFERENCE INVOICE NUMBER WITH PAYMENT



# Hidalgo County Drainage District No. 1

902 North Doolittle Road

Edinburg, Texas 78542

Office: (956) 292-7080

## Invoice Processing Routing Slip

Invoice/ Backup

Date Received:

3/11/2016

Engineer/Firm Name:

L&G Engineering

Project Name/Number:

Tower Rd. & Mile 17 1/2 Imp. WA No. 1

Invoice No.:

15-11-000022

Purchase Order No.:

627949

Received By:

Rosa Arce

Forwarded to:

Nora D. Cavazos  
Claudette Guerrero

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Total # of Pages Submitted:

2

Attachments:

Amount:

\$1,150.88

Forwarded to:

Jose N. Saldivar

Date: \_\_\_\_\_

Forwarded to:

Lora Briones

Date: \_\_\_\_\_

Additional Comments:

**RECEIVED**  
 HIDALGO COUNTY  
 DRAINAGE DISTRICT #1

MAR 11 2016

11:19 AM/PM

BY: *Rosa One*

2100 W. Expressway 83  
 Mercedes, TX 78570  
 Office (956) 565-0760 Fax (956) 565-6746

Client Address: Hidalgo County Drainage District No. 1  
 Accounts Payable  
 902 N. Doolittle Rd.  
 Edinburg, TX. 78541

Account No.: E87

Project No: E871502

Project Desc.: Tower Rd & Mile 17 1/2 Drainage Imprvts. WA #1 *1702 Saldivar-PM*

Due Date: UPON RECEIPT

Budget/Remaining: \$32,329.83 / \$29,348.45

PO: 627949

===== Invoice Summary by Billing Code =====

	<u>Unit Rate</u>	<u>Qty</u>	<u>Extension</u>
910:91011 - Field Density (Nuclear Method)	\$23.91	4.00	\$95.64
920:92033 - Air Content (Pressure Method)	\$23.86	1.00	\$23.86
920:92034 - Comp. Strength of Cyl. Specimen	\$15.92	2.00	\$31.84
920:92035 - Cyl. Specimen Prep./Hold/Cure	\$12.00	4.00	\$48.00
940:94047 - Eng. Tech. (Concrete / Lab)	\$51.34	0.50	\$25.67
940:94048 - Eng. Tech. (Soils / SP.)	\$51.34	4.75	\$243.87
940:94050 - Eng. Tech. (Concrete)	\$51.34	5.50	\$282.37
940:94054 - Engineering Specialist	\$102.68	0.75	\$77.01
940:94055 - Engineer / P.E.	\$129.86	0.75	\$97.41
950:95058 - Vehicle Trip Charge	\$0.56	114.00	\$63.84
950:95060 - Administrative / Clerical	\$60.40	1.50	\$90.60
950:95061 - Test Report	\$23.59	3.00	\$70.77
<b>Total for this Invoice:</b>			<b>\$1,150.88</b>

===== Invoice Detail by Report =====

<u>Report No.</u>	<u>Sampled</u>	<u>Qty</u>	<u>Billing Code</u>	<u>Unit Type</u>	<u>Unit Rate</u>	<u>Extension</u>
R004	10/21/2015	4.00	910:91011 - Field Density (Nuclear Method)	Each	\$23.91	\$95.64
R004	10/21/2015	4.75	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$51.34	\$243.87
R004	10/21/2015	0.25	940:94054 - Engineering Specialist	Hour	\$102.68	\$25.67
R004	10/21/2015	0.25	940:94055 - Engineer / P.E.	Hour	\$129.86	\$32.47
R004	10/21/2015	38.00	950:95058 - Vehicle Trip Charge	Mile	\$0.56	\$21.28
R004	10/21/2015	0.50	950:95060 - Administrative / Clerical	Hour	\$60.40	\$30.20

REMIT TO: 2100 W. Expressway 83  
 Mercedes, TX 78570  
 Office (956) 565-0760 Fax (956) 565-6746

Net 30 Days

2100 W. Expressway 83  
 Mercedes, TX 78570  
 Office (956) 565-0760 Fax (956) 565-6746

===== Invoice Detail by Report =====

<u>Report No.</u>	<u>Sampled</u>	<u>Qty</u>	<u>Billing Code</u>	<u>Unit Type</u>	<u>Unit Rate</u>	<u>Extension</u>
R004	10/21/2015	1.00	950:95061 - Test Report	Each	\$23.59	\$23.59
<i>Report Number R004 for a Subtotal of:</i>						<u>\$472.72</u>
R005	11/04/2015	1.00	920:92033 - Air Content (Pressure Method)	Each	\$23.86	\$23.86
R005	11/04/2015	4.00	920:92035 - Cyl. Specimen Prep./Hold/Cure	Each	\$12.00	\$48.00
R005	11/04/2015	5.50	940:94050 - Eng. Tech. (Concrete)	Hour	\$51.34	\$282.37
R005	11/04/2015	0.25	940:94054 - Engineering Specialist	Hour	\$102.68	\$25.67
R005	11/04/2015	0.25	940:94055 - Engineer / P.E.	Hour	\$129.86	\$32.47
R005	11/04/2015	76.00	950:95058 - Vehicle Trip Charge	Mile	\$0.56	\$42.56
R005	11/04/2015	0.50	950:95060 - Administrative / Clerical	Hour	\$60.40	\$30.20
R005	11/04/2015	1.00	950:95061 - Test Report	Each	\$23.59	\$23.59
<i>Report Number R005 for a Subtotal of:</i>						<u>\$508.72</u>
R006	11/04/2015	2.00	920:92034 - Comp. Strength of Cyl. Specimen	Each	\$15.92	\$31.84
R006	11/04/2015	0.50	940:94047 - Eng. Tech. (Concrete / Lab)	Each	\$51.34	\$25.67
R006	11/04/2015	0.25	940:94054 - Engineering Specialist	Hour	\$102.68	\$25.67
R006	11/04/2015	0.25	940:94055 - Engineer / P.E.	Hour	\$129.86	\$32.47
R006	11/04/2015	0.50	950:95060 - Administrative / Clerical	Hour	\$60.40	\$30.20
R006	11/04/2015	1.00	950:95061 - Test Report	Each	\$23.59	\$23.59
<i>Report Number R006 for a Subtotal of:</i>						<u>\$169.44</u>
<b>Total for this Invoice:</b>						<b><u>\$1,150.88</u></b>

REMIT TO: 2100 W. Expressway 83  
 Mercedes, TX 78570  
 Office (956) 565-0760 Fax (956) 565-6746

**Net 30 Days**

PAST DUE BALANCES SUBJECT TO 1.5% SERVICE CHARGE PER MONTH  
 PLEASE REFERENCE INVOICE NUMBER WITH PAYMENT