



**CONSENT AGENDA  
DRAINAGE DISTRICT  
BOARD OF DIRECTORS  
September 13, 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being discussed separately unless requested by a Board Member, in which event the item or items will immediately be withdrawn for individual consideration in its normal sequence after the items not requiring separate discussion have been acted upon.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 -56314 2013 Bonds**

**A. Budget 020-Mission Inlet Recertification**

1. Invoice No. 11325886 in the amount of \$112,187.70 from L&G Consulting Engineers related to Work Authorization No. 5-FEMA Re-evaluation.  
PO#628488.

2. Invoice No. 11325887 in the amount of \$9,652.26 from L&G Consulting Engineers related to Work Authorization No. 6-Los Ebanos Replacement Bridge.  
PO#629786.

**B. Budget 300-J09 Project**

1. Invoice No. 16-8-000020 in the amount of \$3,327.72 from L&G Consulting Engineers related to Work Authorization No. 4-Construction Material Testing for J09 Project.  
PO#629471.

**C. Budget 365-Rural Drainage Development****Pct.1**

1. Invoice No. R026461 in the amount of \$5,600.00 from Raba Kistner Consultants for Subsurface Reconnaissance Services for Mile 6 & Mile 14 N. Area Dip. PSA C-13-021-04-029B Construction Material Testing Services. PO#629829.

**Pct.2**

2. Invoice No. 9484 in the amount of \$46,991.70 from Quintanilla, Headley & Associates, Inc. related to Work Authorization No. 1-PS&E of Pct.2 Minnesota-Cesar Chavez Area Drainage Improvements. PO#629242.

**Pct.3**

3. Invoice No. 11325853 in the amount of \$5,186.31 from L&G Consulting Engineers related to Work Authorization No. 6-special engineering services for La Joya Watershed Project, TxDot Outfall to IBWC Levee. PO#626941.

4. Invoice No. 11325888 in the amount of \$17,669.94 from L&G Consulting Engineers related to Work Authorization No. 10-ROW Mapping Design & ROW Acquisitions for Outfall at Mile 3 for La Joya Watershed Project. PO#629641.

**Pct.4**

5. Invoice No. 16-8-000019 in the amount of \$3,159.41 from L&G Consulting Engineers related to Work Authorization No. 2-One Call Construction Material Testing Hoehn Rd Area. PO#628202.

**General Fund****D. Budget 006-M&O**

1. Invoice No. M214310 in the amount of 11,980.71 and Invoice No. M214309 in the amount of \$1,085.00 from Halff & Associates for engineering services & subsurface investigation of the HCDD1 Rifle/Handgun Firing Range PO#629455.

2. Invoice No. 11325852 in the amount of \$10,061.95 from L&G Consulting Engineers related to Work Authorization No.5-Special Engineering Services for the La Joya Watershed Project. PO#626943.

**AI -56314**

**2.**

**DRAINAGE - CONSENT**

Meeting Date: 09/13/2016

Submitted For: Lora Briones

Submitted By: Claudette Guerrero,  
DRAINAGE DISTRICT

Department: DRAINAGE DISTRICT

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Information

CAPTION

**2013 Bonds**

**A. Budget 020-Mission Inlet Recertification**

1. Invoice No. 11325886 in the amount of \$112,187.70 from L&G Consulting Engineers related to Work Authorization No. 5-FEMA Re-evaluation.

PO#628488.

2. Invoice No. 11325887 in the amount of \$9,652.26 from L&G Consulting Engineers related to Work Authorization No. 6-Los Ebanos Replacement Bridge.

PO#629786.

**B. Budget 300-J09 Project**

1. Invoice No. 16-8-000020 in the amount of \$3,327.72 from L&G Consulting Engineers related to Work Authorization No. 4-Construction Material Testing for J09 Project.

PO#629471.

**C. Budget 365-Rural Drainage Development**

**Pct.1**

1. Invoice No. R026461 in the amount of \$5,600.00 from Raba Kistner Consultants for Subsurface Reconnaissance Services for Mile 6 & Mile 14 N. Area Dip. PSA C-13-021-04-029B Construction Material Testing Services.

PO#629829.

**Pct.2**

2. Invoice No. 9484 in the amount of \$46,991.70 from Quintanilla, Headley & Associates, Inc. related to Work Authorization No. 1-PS&E of Pct.2 Minnesota-Cesar Chavez Area Drainage Improvements.

PO#629242.

**Pct.3**

3. Invoice No. 11325853 in the amount of \$5,186.31 from L&G Consulting Engineers related to

Work Authorization No. 6-special engineering services for La Joya Watershed Project, TxDot  
Outfall to IBWC Levee.  
PO#626941.

4. Invoice No. 11325888 in the amount of \$17,669.94 from L&G Consulting Engineers related to  
Work Authorization No. 10-ROW Mapping Design & ROW Acquisitions for Outfall at Mile 3  
for La Joya Watershed Project.  
PO#629641.

**Pct.4**

5. Invoice No. 16-8-000019 in the amount of \$3,159.41 from L&G Consulting Engineers related  
to Work Authorization No. 2-One Call Construction Material Testing Hoehn Rd Area.  
PO#628202.

**General Fund**

**D. Budget 006-M&O**

1. Invoice No. M214310 in the amount of 11,980.71 and Invoice No. M214309 in the amount of  
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HCDD1 Rifle/Handgun Firing Range  
PO#629455.

2. Invoice No. 11325852 in the amount of \$10,061.95 from L&G Consulting Engineers related to  
Work Authorization No.5-Special Engineering Services for the La Joya Watershed Project.  
PO#626943.

**BACKGROUND**

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Fiscal Impact

Attachments

L&G Inv#11325886

L&G Inv#11325887

L&G Inv#16-8-000020

Raba Inv#R026461

Quintanilla Inv#9484

L&G Inv#11325853

L&G Inv#11325888

L&G Inv#16-8-000019

Halff Inv#M214310

L&G Inv#11325852

Halff Inv#M214309

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**Form Review**

**Inbox**

**Reviewed By**

**Date**

Budget & Management

Veronica Ortiz

09/09/2016 03:00 PM

Final Approval

Monica Badillo

09/09/2016 05:11 PM

Form Started By: Claudette Guerrero

Started On: 09/09/2016 11:13 AM

Final Approval Date: 09/09/2016



# Hidalgo County Drainage District No. 1

902 North Doolittle Road, Edinburg, TX 78542 Office: 956-292-7080

## Invoice Processing Routing Slip

Invoice/ Backup

Date Received: 9/1/2016

Engineer/Firm Name: L&G Engineering

Project Name/Number: Mission Inlet Recertification Project PS&E, WA No. 5

Invoice No.: 11325886

Invoice Date: 8/31/2016

Due Date: 10/1/2016

Purchase Order No.: 628488

Amount: \$112,187.70

Total # of Pages Submitted: 5

Attachments:  CD  USB  Plans Other: \_\_\_\_\_ 5

Engineering:  Construction:

Received By: Maria Perez

### Forwarded to:

Nora D. Cavazos \_\_\_\_\_ Date: \_\_\_\_\_

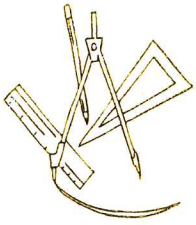
Esther Layton \_\_\_\_\_ Date: \_\_\_\_\_

Claudette Guerrero \_\_\_\_\_ Date: \_\_\_\_\_

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

Lora Briones \_\_\_\_\_ Date: \_\_\_\_\_

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



September 1, 2016

**Mr. Raul Sesin, P.E. – District Manager**  
 Hidalgo County Drainage District #1  
 902 N. Doolittle  
 Edinburg, Texas 78542

**RECEIVED**  
 HIDALGO COUNTY  
 DRAINAGE DISTRICT #1

SEP 01 2016

4:52 AM (PM)

BY: *WJP*

**RE: Mission Inlet Recertification Project**  
**Work Authorization #5 – PS&E, Design Survey, Geotechnical**  
**Job # 130205**  
**P.O. # 628488**

Dear Mr. Sesin,

Attached for your review and approval is our invoice for the services rendered during the month of August 2016 on the subject referenced project.

The following is attached:

- L&G's Invoice #11325886
- CD w/ Electronic Files of Data for:
  - FC 11003, 12002 & 12003

TASK		% COMPL
<b>Mission Inlet Recertification Project</b>		
FC 11003 ~ PS&E Development	L&G	50.0%
<b>Update</b> – PS&E development ongoing including: project layouts, junction layouts, typical sections, P&P sheets, TCP layouts, SW3P layouts, standards, E&Q sheets, and test hole layouts/data sheets. Project base files have been updated throughout this period to incorporate survey data at SECTION A, easement limits at SECTION B and back slope drains throughout (align, ROW, profiles, etc.)		
FC 12002 ~ Outreach/Presentations with Major Stakeholders (i.e. City of Mission, City of McAllen, McAllen Airport, etc.)	L&G	59.8%
<b>Update</b> – L&G has held informal conference calls with the stakeholders throughout the month to address project questions and details.		
FC 12003 ~ Meetings & Coordination with HCDD#1, County, FEMA & IBWC	L&G	60.0%
<b>Update</b> – L&G has had informal coordination with HCDD #1 and County throughout the month discussing project status and general details.		
FC 15001 ~ Coordination & Management of Surveyor	L&G	55.9%
<b>No Update</b> – See progress report dated August 1, 2016		

**L & G Consulting Engineers Inc**  
**2100 W. Expressway 83**  
**Mercedes, TX 78570**  
**(956)565-9813 Fax (956)565-9018**

**INVOICE#:** 11325886  
**INVOICE DATE:** 8/31/2016

**RECEIVED**  
 HIDALGO COUNTY  
 DRAINAGE DISTRICT #1

**BILL TO: 87**  
 Hidalgo County Drainage District#1  
 902 N. Doolittle  
 Edinburg, TX 78542

**JOB:130205**  
 Mission Inlet Recertification Project  
 WA#5 P.O.#628488

SEP 01 2016

4:52 AM/PM

BY: *[Signature]*

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
<b>Engineering services for the month of August 2016.</b>						
FC 11003 - PS&E Development - 7.25% Construction Cost	1,042,906.33	417,162.53	104,290.64	521,453.17	50.0	521,453.16
FC 12002 - Outreach/Presentations with Major Stakeholders	19,995.83	9,997.92	1,969.57	11,967.49	59.8	8,028.34
FC 12003 - Meetings & Coordination with HCDD#1, County, FEMA &	59,349.71	29,668.60	5,927.49	35,596.09	60.0	23,753.62
FC 15001 - Coordination & Management of Surveyor	5,014.62	2,801.20		2,801.20	55.9	2,213.42
FC 15010 - SUB - Design Survey	50,010.00	27,785.00		27,785.00	55.6	22,225.00
FC 33001 - Geotechnical Engineering / SUB	110,206.04	99,185.44		99,185.44	90.0	11,020.60
	<u>1,287,482.53</u>	<u>586,600.69</u>	<u>112,187.70</u>	<u>698,788.39</u>	<u>54.3</u>	<u>588,694.14</u>

ORIGINAL CONTRACT SUM	\$	1,287,482.53
CHANGE BY CHANGE ORDER	\$	0.00
CONTRACT SUM TO DATE	\$	1,287,482.53
TOTAL COMPLETED TO DATE	\$	698,788.39
LESS PREVIOUS INVOICES	\$	586,600.69
<b>CURRENT PAYMENT DUE</b>	<b>\$</b>	<b>112,187.70</b>

*[Signature]*  
 PROJECT MANAGER'S SIGNATURE

FC 15010 ~ SUB – Design Survey	ROW SS	55.6%
<b>No Update</b> – See progress report dated August 1, 2016		
FC 33001 ~ SUB – Geotechnical Engineering	L&G LAB	90.0%
<b>No Update</b> – See progress report from L&G Lab dated April 30, 2016.		

Should you have any questions regarding this submittal or would like clarification on any aspect of the project, please do not hesitate to call me at (956) 585-1909.

Sincerely,



---

David Saenz, P.E., C.F.M.  
Project Manager  
L&G Engineering

L&G Consulting Engineers, Inc  
 2100 W. Expressway 83  
 Mercedes, Texas 78570  
 (956) 565-9813

**Project Workhour Report**

Mission Inlet Recert. Project WA#5

Reference: Inv# 11325886

Date: 08/31/2016

P.O.#628488

	Hrs		Rate	Total
Senior Project Manager	10.00	X	212.59	\$2,125.90
Senior Engineer	14.00	X	175.07	\$2,450.98
Design Engineer	25.00	X	112.55	\$2,813.75
Admin/Clerical	9.00	X	56.27	\$506.43

**Grand Total of Hours** \$ 7,897.06

(Difference due to rounding hours) \$ -

<b>Invoice Summary</b>	
Man Hours	\$ 7,897.06
PS&E Development - 7.25% of Construction Cost	\$ 104,290.64
Sub Contract	
Geotechnical Engineering	
<small>(See Attached Sub Invoice for Man Hour Breakdown)</small>	
(Difference due to rounding)	\$ -

**Total Per Invoice Submitted** **\$ 112,187.70**



**L&G Engineering**  
 Transportation Consulting Engineers

2100 W. Expressway 83 Mercedes, TX 78570  
 Phone: (956) 565-9813 Fax: (956) 565-9018  
 Toll Free: (888) 563-9813 Firm No. F-4105

900 S. Stewart Rd., Ste. 10 Mission, TX 78572  
 Phone: (956) 585-1909 Fax: (956) 585-1927  
 Toll Free: (866) 585-1909

# Letter of Transmittal

**Mr. Raul Sesin, P.E. – District Manager**  
 Hidalgo County Drainage District #1  
 902 N. Doolittle Rd.  
 Edinburg, Texas 78542

**DATE:**  
 September 1, 2016

**Project: Progress Report & Invoice Package for Various Work Authorizations**  
 La Joya Watershed Improvement Project  
 Mission Inlet Recertification Project

**L&G PROJECT NO.:**

**TRANSMITTED:**

- |  |   |  |
|--|---|--|
| <input checked="" type="checkbox"/> For Your Use | <input type="checkbox"/> Please comment | <input type="checkbox"/> Approved as Noted |
| <input type="checkbox"/> As Requested            | <input type="checkbox"/> Reply ASAP     | <input type="checkbox"/> As Noted Below    |

**VIA:**

- |                                  |   |  |
|----------------------------------|---|--|
| <input type="checkbox"/> US Mail | <input type="checkbox"/> Courier            | <input checked="" type="checkbox"/> Hand Carry |
| <input type="checkbox"/> E-Mail  | <input type="checkbox"/> Lonestar Overnight | <input type="checkbox"/> Pick up               |

COPIES	DESCRIPTION
1	Progress Report and Invoice Package (including CD w/Electronic Files) for the following Project:
	<ul style="list-style-type: none"> <li>• Work Authorization #10 on La Joya Watershed Improvement Project               <ul style="list-style-type: none"> <li>○ P.O. #629641, Invoice #11325888</li> </ul> </li> <li>• Work Authorization #5 on Mission Inlet Recertification Project               <ul style="list-style-type: none"> <li>○ P.O. #628488, Invoice #11325886</li> </ul> </li> <li>• Work Authorization #6 on Mission Inlet Recertification Project               <ul style="list-style-type: none"> <li>○ P.O. #629786, Invoice #11325887</li> </ul> </li> </ul>
	<b>RECEIVED</b>
	HIDALGO COUNTY DRAINAGE DISTRICT #1
	SEP 01 2016
	4:52 AM (PM)
	BY: <u>MAP</u>

**REMARKS:**

If you have any questions or comments, please feel free to contact me, Mr. David Saenz, P.E. at (956) 585-1909.

Thank you,

Received By: \_\_\_\_\_

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

**Mission Inlet Recertification  
Project  
Work Authorization #5**

**Invoice #  
11325886**

**HCDD#1**

**8/31/2016**

L & G Engineering Electronic Data & CAD Disclaimer by opening the attached files, the user agrees that data provided by this electronic file is for information purposes only and should be used at one's own risk. L & G Engineering makes no representations, written or verbal, that the information contained in these CAD files are complete or accurate or should be relied upon for construction except to the extent that they are labeled, dimensioned or otherwise noted and reflect exactly what is on the approved and sealed preliminary or final drawings. Any conflict between the information reflected on the sealed plan sheets and that provided via this electronic data file shall be resolved in favor of the sealed plan sheets.

Any reproduction of these sheets without the appropriate preliminary stamp, or professional engineering seal and signature, and the express written approval of L & G Engineering, is a violation of the Professional Engineering Practice Act.



# Hidalgo County Drainage District No. 1

902 North Doolittle Road, Edinburg, TX 78542 Office: 956-292-7080

## Invoice Processing Routing Slip

Invoice/ Backup

Date Received: 9/1/2016

Engineer/Firm Name: L&G Engineering

Project Name/Number: Mission Inlet Recertification Project (Los Ebanos Bridge) WA No. 6

Invoice No.: 11325887

Invoice Date: 8/31/2016

Due Date: 10/1/2016

Purchase Order No.: 629786

Amount: \$9,652.26

Total # of Pages Submitted: 5

Attachments:  CD  USB  Plans Other: \_\_\_\_\_

Engineering:  Construction:

Received By: Maria Perez

### Forwarded to:

Nora D. Cavazos \_\_\_\_\_ Date: \_\_\_\_\_

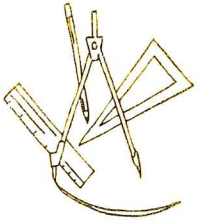
Esther Layton \_\_\_\_\_ Date: \_\_\_\_\_

Claudette Guerrero \_\_\_\_\_ Date: \_\_\_\_\_

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

Lora Briones \_\_\_\_\_ Date: \_\_\_\_\_

Additional Comments: Back-up was emailed and then transferred to CD



# L&G Engineering

Transportation Consultants

September 1, 2016

**Mr. Raul Sesin, P.E. – District Manager**  
 Hidalgo County Drainage District #1  
 902 N. Doolittle  
 Edinburg, Texas 78542

**RECEIVED**  
 HIDALGO COUNTY  
 DRAINAGE DISTRICT #1

SEP 01 2016

4:52 AM PM

*Handwritten signature*

**RE: Work Authorization #6 on Mission Inlet Recertification Project (Los Ebanos Bridge)**

**Job # 130206**

**P.O. # 629786**

Dear Mr. Sesin,

Attached for your review and approval is our invoice for the services rendered during the month of August 2016 on the subject referenced project.

The following is attached:

- L&G's Invoice #11325887
- CD w/ Electronic Files of Data for:
  - FC 11003 & FC16309

TASK		% COMPL
<b>Mission Inlet Recertification Project</b>		
FC 11003 ~ PS&E Development	L&G	30.0%
<b>Update</b> – L&G continued developing the Plan Documents for the project including Title Sheet, Typical Sections, Culvert Layout and Project Standards. Project reference files have been generated and updated such as alignment, EOP, etc. 30% submittal has been compiled.		
FC 60001 ~ ROW Acquisition Services	L&G	0.0%
<b>No Update – Task Not Started</b>		
FC 33010 ~ SUB – Geotechnical Engineering	L&G Lab	0.0%
<b>No Update – Task Not Started</b>		
FC 16306 ~ Scour/Erosion Report	L&G	0.0%
<b>No Update – Task Not Started</b>		
FC 16307 ~ Utility Coordination	L&G	0.0%
<b>No Update – Task Not Started</b>		

FC 16309 ~ Meetings & Coordination with HCDD#1 and TxDOT	L&G	30.1%
<b>Update</b> – L&G held various informal meetings/conference calls with HCDD#1 and TxDOT to discuss project details and plan of action.		

Should you have any questions regarding this submittal or would like clarification on any aspect of the project, please do not hesitate to call me at (956) 585-1909.

Sincerely,



---

David Saenz, P.E., C.F.M.  
Project Manager  
L&G Engineering

**L & G Consulting Engineers Inc**  
**2100 W. Expressway 83**  
**Mercedes, TX 78570**  
**(956)565-9813 Fax (956)565-9018**

**INVOICE#: 11325887**  
**INVOICE DATE: 8/31/2016**

**RECEIVED**  
 HIDALGO COUNTY  
 DRAINAGE DISTRICT #1

**BILL TO: 87**  
 Hidalgo County Drainage District#1  
 902 N. Doolittle  
 Edinburg, TX 78542

**JOB:130206**  
 Mission Inlet Recertification Project  
 WA#6 P.O.#629786

**SEP 01 2016**  
 4:52 AM / PM  
 BY: *MAP*

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
<b>Engineering services for the month of August 2016.</b>						
FC 11003 - PS&E Development	88,581.89	17,716.38	8,858.19	26,574.57	30.0	62,007.32
FC 60001- Right of Way Acquisition Services	41,000.00			0.00	0.0	41,000.00
FC 33001 - Geotechnical Engineering / SUB	7,513.68			0.00	0.0	7,513.68
FC 16306 - Scour/Erosion Report	10,429.36			0.00	0.0	10,429.36
FC 16307 - Utility Coordination	5,477.28			0.00	0.0	5,477.28
FC 16309 - Meetings & Coordination with HCDD#1 and TxDOT	7,853.22	1,569.39	794.07	2,363.46	30.1	5,489.76
	160,855.43	19,285.77	9,652.26	28,938.03	18.0	131,917.40

ORIGINAL CONTRACT SUM	\$	160,855.43
CHANGE BY CHANGE ORDER	\$	0.00
CONTRACT SUM TO DATE	\$	160,855.43
TOTAL COMPLETED TO DATE	\$	28,938.03
LESS PREVIOUS INVOICES	\$	19,285.77
<b>CURRENT PAYMENT DUE</b>	<b>\$</b>	<b>9,652.26</b>

*[Handwritten Signature]*  
 PROJECT MANAGER'S SIGNATURE

L&G Consulting Engineers, Inc  
 2100 W. Expressway 83  
 Mercedes, Texas 78570  
 (956) 565-9813

**Project Workhour Report**

Mission Inlet Recert. Project WA#6  
 Reference: Inv# 11325887  
 Date: 8/31/2016  
 P.O.#629786

	Hrs		Rate	Total
Senior Project Manager	1.00	X	212.59	\$212.59
Senior Engineer	3.00	X	175.07	\$525.21
Design Engineer	0.00	X	112.55	\$0.00
Admin/Clerical	1.00	X	56.27	\$56.27

**Grand Total of Hours** \$ 794.07

(Difference due to rounding hours) \$ -

<b>Invoice Summary</b>	
Man Hours	\$ 794.07
PS&E Development	\$ 8,858.19
ROW Acquisition Services	
Geotechnical Engineering	
<small>(See Attached Sub Invoice for Man Hour Breakdown)</small>	
(Difference due to rounding)	\$ -

**Total Per Invoice Submitted** **\$ 9,652.26**



**L&G Engineering**  
 Transportation Consulting Engineers

2100 W. Expressway 53 Mercedes, TX 78570  
 Phone: (956) 565-9813 Fax: (956) 565-9018  
 Toll Free: (888) 565-9813 Firm No. F-4185

900 S. Stewart Rd., Ste. 10 Mission, TX 78572  
 Phone: (956) 585-1909 Fax: (956) 585-1927  
 Toll Free: (866) 585-1909

# Letter of Transmittal

**Mr. Raul Sesin, P.E. – District Manager**  
 Hidalgo County Drainage District #1  
 902 N. Doolittle Rd.  
 Edinburg, Texas 78542

**DATE:**  
 September 1, 2016

**Project: Progress Report & Invoice Package for Various Work Authorizations**  
 La Joya Watershed Improvement Project  
 Mission Inlet Recertification Project

**L&G PROJECT NO.:**

**TRANSMITTED:**

- |  |   |  |
|--|---|--|
| <input checked="" type="checkbox"/> For Your Use | <input type="checkbox"/> Please comment | <input type="checkbox"/> Approved as Noted |
| <input type="checkbox"/> As Requested            | <input type="checkbox"/> Reply ASAP     | <input type="checkbox"/> As Noted Below    |

**VIA:**

- |                                  |   |  |
|----------------------------------|---|--|
| <input type="checkbox"/> US Mail | <input type="checkbox"/> Courier            | <input checked="" type="checkbox"/> Hand Carry |
| <input type="checkbox"/> E-Mail  | <input type="checkbox"/> Lonestar Overnight | <input type="checkbox"/> Pick up               |

COPIES	DESCRIPTION
1	Progress Report and Invoice Package (including CD w/Electronic Files) for the following Project:
	<ul style="list-style-type: none"> <li>• Work Authorization #10 on La Joya Watershed Improvement Project               <ul style="list-style-type: none"> <li>○ P.O. #629641, Invoice #11325888</li> </ul> </li> <li>• Work Authorization #5 on Mission Inlet Recertification Project               <ul style="list-style-type: none"> <li>○ P.O. #628488, Invoice #11325886</li> </ul> </li> <li>• Work Authorization #6 on Mission Inlet Recertification Project               <ul style="list-style-type: none"> <li>○ P.O. #629786, Invoice #11325887</li> </ul> </li> </ul>
	<b>RECEIVED</b>
	HIDALGO COUNTY DRAINAGE DISTRICT #1
	SEP 01 2016
	4:52 AM (PM)
	BY: <u>MAP</u>

**REMARKS:**

If you have any questions or comments, please feel free to contact me, Mr. David Saenz, P.E. at (956) 585-1909.

Thank you,

Received By: \_\_\_\_\_

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

**Mission Inlet Recertification  
Project  
Work Authorization #6**

**Invoice #  
11325887**

**HCDD#1**

**8/31/2016**

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# Hidalgo County Drainage District No. 1

902 North Doolittle Road, Edinburg, TX 78542 Office: 956-292-7080

## Invoice Processing Routing Slip

Invoice/ Backup

Date Received: 9/2/2016

Engineer/Firm Name: L&G Consulting Engineers, Inc.

Project Name/Number: J-09 Drain Improvements Phase II, WA No. 4

Invoice No.: 16-8-000020

Invoice Date: 8/27/2016

Due Date: 10/2/2016

Purchase Order No.: 629471

Amount: \$3,327.72

Total # of Pages Submitted: 27

Attachments:  CD  USB  Plans Other: \_\_\_\_\_

Engineering:  Construction:

Received By: Maria Perez

### Forwarded to:

Nora D. Cavazos \_\_\_\_\_ Date: \_\_\_\_\_

Esther Layton \_\_\_\_\_ Date: \_\_\_\_\_

Claudette Guerrero \_\_\_\_\_ Date: \_\_\_\_\_

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

Lora Briones \_\_\_\_\_ Date: \_\_\_\_\_

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



RECEIVED  
HIDALGO COUNTY  
DRAINAGE DISTRICT #1

**INVOICE**  
Invoice Date: 08/27/2016  
Invoice No: 16-8-000020

SEP 02 2016

Page 1 of 4

1:05 AM / PM

BY: *[Signature]*

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: E871601  
Project Desc.: J-09 Drain Improvements Ph. II  
(Rio Grande Care Rd. to N. Main Drain)

Due Date: UPON RECEIPT  
Budget/Remaining: \$22,243.07 / \$18,404.10  
PO: 629471

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

	<u>Unit Rate</u>	<u>Qty</u>	<u>Extension</u>
920:92033 - Air Content (Pressure Method)	\$24.58	5.00	\$122.90
920:92034 - Comp. Strength of Cyl. Specimen	\$16.40	14.00	\$229.60
920:92035 - Cyl. Specimen Prep./Hold/Cure	\$12.36	16.00	\$197.76
940:94047 - Eng. Tech. (Concrete / Lab)	\$52.88	3.50	\$185.08
940:94050 - Eng. Tech. (Concrete)	\$52.88	22.00	\$1,163.36
940:94054 - Engineering Specialist	\$105.76	2.25	\$237.96
940:94055 - Engineer / P.E.	\$133.76	2.25	\$300.96
950:95058 - Vehicle Trip Charge	\$0.56	600.00	\$336.00
950:95060 - Administrative / Clerical	\$62.21	5.00	\$311.10
950:95061 - Test Report	\$24.30	10.00	\$243.00
<b>Total for this Invoice:</b>			<b>\$3,327.72</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>
R002	07/20/2016	1.00	920:92033 - Air Content (Pressure Method)	Each	\$24.58	\$24.58
R002	07/20/2016	5.50	940:94050 - Eng. Tech. (Concrete)	Hour	\$52.88	\$290.84
R002	07/20/2016	0.25	940:94054 - Engineering Specialist	Hour	\$105.76	\$26.44
R002	07/20/2016	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44
R002	07/20/2016	120.00	950:95058 - Vehicle Trip Charge	Mile	\$0.56	\$67.20
R002	07/20/2016	0.50	950:95060 - Administrative / Clerical	Each	\$62.21	\$31.11
R002	07/20/2016	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R002 for a Subtotal of:						\$497.91

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>
R003-28	07/15/2016	3.00	920:92034 - Comp. Strength of Cyl. Specimen	Each	\$16.40	\$49.20
R003-28	07/15/2016	0.75	940:94047 - Eng. Tech. (Concrete / Lab)	Each	\$52.88	\$39.66
R003-28	07/15/2016	0.25	940:94054 - Engineering Specialist	Hour	\$105.76	\$26.44
R003-28	07/15/2016	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44
R003-28	07/15/2016	0.50	950:95060 - Administrative / Clerical	Each	\$62.21	\$31.11
R003-28	07/15/2016	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R003-28 for a Subtotal of:						\$204.15
R004	07/27/2016	1.00	920:92033 - Air Content (Pressure Method)	Each	\$24.58	\$24.58
R004	07/27/2016	4.00	920:92035 - Cyl. Specimen Prep./Hold/Cure	Each	\$12.36	\$49.44
R004	07/27/2016	2.00	940:94050 - Eng. Tech. (Concrete)	Hour	\$52.88	\$105.76
R004	07/27/2016	120.00	950:95058 - Vehicle Trip Charge	Mile	\$0.56	\$67.20
R004	07/27/2016	0.50	950:95060 - Administrative / Clerical	Each	\$62.21	\$31.11
R004	07/27/2016	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R004 for a Subtotal of:						\$302.39
R005-28	07/20/2016	3.00	920:92034 - Comp. Strength of Cyl. Specimen	Each	\$16.40	\$49.20
R005-28	07/20/2016	0.75	940:94047 - Eng. Tech. (Concrete / Lab)	Each	\$52.88	\$39.66
R005-28	07/20/2016	0.25	940:94054 - Engineering Specialist	Hour	\$105.76	\$26.44
R005-28	07/20/2016	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44
R005-28	07/20/2016	0.50	950:95060 - Administrative / Clerical	Each	\$62.21	\$31.11
R005-28	07/20/2016	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R005-28 for a Subtotal of:						\$204.15
R006	08/01/2016	1.00	920:92033 - Air Content (Pressure Method)	Each	\$24.58	\$24.58
R006	08/01/2016	4.00	920:92035 - Cyl. Specimen Prep./Hold/Cure	Each	\$12.36	\$49.44
R006	08/01/2016	4.50	940:94050 - Eng. Tech. (Concrete)	Hour	\$52.88	\$237.96
R006	08/01/2016	0.25	940:94054 - Engineering Specialist	Hour	\$105.76	\$26.44
R006	08/01/2016	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44

**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	08/01/2016	120.00	950:95058 - Vehicle Trip Charge	Mile	\$0.56	\$67.20
R006	08/01/2016	0.50	950:95060 - Administrative / Clerical	Each	\$62.21	\$31.11
R006	08/01/2016	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R006 for a Subtotal of:						\$494.47
R007-28	07/27/2016	4.00	920:92034 - Comp. Strength of Cyl. Specimen	Each	\$16.40	\$65.60
R007-28	07/27/2016	1.00	940:94047 - Eng. Tech. (Concrete / Lab)	Each	\$52.88	\$52.88
R007-28	07/27/2016	0.25	940:94054 - Engineering Specialist	Hour	\$105.76	\$26.44
R007-28	07/27/2016	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44
R007-28	07/27/2016	0.50	950:95060 - Administrative / Clerical	Each	\$62.21	\$31.11
R007-28	07/27/2016	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R007-28 for a Subtotal of:						\$233.77
R008	08/03/2016	1.00	920:92033 - Air Content (Pressure Method)	Each	\$24.58	\$24.58
R008	08/03/2016	4.00	920:92035 - Cyl. Specimen Prep./Hold/Cure	Each	\$12.36	\$49.44
R008	08/03/2016	5.50	940:94050 - Eng. Tech. (Concrete)	Hour	\$52.88	\$290.84
R008	08/03/2016	0.25	940:94054 - Engineering Specialist	Hour	\$105.76	\$26.44
R008	08/03/2016	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44
R008	08/03/2016	120.00	950:95058 - Vehicle Trip Charge	Mile	\$0.56	\$67.20
R008	08/03/2016	0.50	950:95060 - Administrative / Clerical	Each	\$62.21	\$31.11
R008	08/03/2016	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R008 for a Subtotal of:						\$547.35
R009	08/01/2016	2.00	920:92034 - Comp. Strength of Cyl. Specimen	Each	\$16.40	\$32.80
R009	08/01/2016	0.50	940:94047 - Eng. Tech. (Concrete / Lab)	Each	\$52.88	\$26.44
R009	08/01/2016	0.25	940:94054 - Engineering Specialist	Hour	\$105.76	\$26.44
R009	08/01/2016	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44
R009	08/01/2016	0.50	950:95060 - Administrative / Clerical	Each	\$62.21	\$31.11
R009	08/01/2016	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R009 for a Subtotal of:						\$174.53

**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>
R010	08/03/2016	2.00	920:92034 - Comp. Strength of Cyl. Specimen	Each	\$16.40	\$32.80
R010	08/03/2016	0.50	940:94047 - Eng. Tech. (Concrete / Lab)	Each	\$52.88	\$26.44
R010	08/03/2016	0.25	940:94054 - Engineering Specialist	Hour	\$105.76	\$26.44
R010	08/03/2016	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44
R010	08/03/2016	0.50	950:95060 - Administrative / Clerical	Each	\$62.21	\$31.11
R010	08/03/2016	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R010 for a Subtotal of:						\$174.53
R011	08/19/2016	1.00	920:92033 - Air Content (Pressure Method)	Each	\$24.58	\$24.58
R011	08/19/2016	4.00	920:92035 - Cyl. Specimen Prep./Hold/Cure	Each	\$12.36	\$49.44
R011	08/19/2016	4.50	940:94050 - Eng. Tech. (Concrete)	Hour	\$52.88	\$237.96
R011	08/19/2016	0.25	940:94054 - Engineering Specialist	Hour	\$105.76	\$26.44
R011	08/19/2016	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44
R011	08/19/2016	120.00	950:95058 - Vehicle Trip Charge	Mile	\$0.56	\$67.20
R011	08/19/2016	0.50	950:95060 - Administrative / Clerical	Each	\$62.21	\$31.11
R011	08/19/2016	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R011 for a Subtotal of:						\$494.47
<b>Total for this Invoice:</b>						<b>\$3,327.72</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

**REPORT OF SITE VISIT  
TEST REPORT**

Project Description: J-09 Drain Improvements Ph. II  
Care Rd. to N. Main Drain)  
Client: Hidalgo County Drainage District No. 1  
Engineer: TEDSI Engineering  
Contractor: Texas Cordia Construction, LLC

(Rio Grande L&G Project Number: E871601  
L&G Report Number: R002  
Sample Date: 07/20/2016  
Date Reported: 07/20/2016

Client PO: 629471

Page 1 of 1

On July 20, 2016, a representative of L&G Engineering Laboratory was dispatched to J-09 Ph. II Drain to perform inspection on the placement of ready-mixed concrete on Rip Rap Sta. 378+00.

Specimen Number 2 was obtained and tested at 6:30 AM, and the following were determined:

<b>Concrete Temp:</b> <u>89°f</u>	<u>N/A</u> Specification	<b>Entrapped/Entrained Air Content:</b> <u>1.7%</u>	<u>N/A</u> Specification
<b>Ambient Temp:</b> <u>77°f</u>	<u>N/A</u> Specification	<b>Slump:</b> <u>5 1/2 inches</u>	<u>N/A</u> Specification

From Specimen Number 2, a total of 4-6x12 cylindrical test specimens were cast for Compressive Strength Testing at intervals of 7 and 28 days.

On July 21, 2016, a representative of L&G Engineering Laboratory was dispatched to the referenced project to collect the cylindrical specimens cast on the placement of ready-mixed concrete on Rip Rap Sta. 378+00. The specimens were delivered to the laboratory where they were stripped, labeled, and placed in a curing tank for testing at intervals of 7 and 28 days.

Test Methods (If Applicable): ASTM C-231, ASTM C-143, ASTM C-1064, ASTM C-31, ASTM C-172

Orig: Hidalgo County Drainage District No. 1  
(Edinburg, TX) Attn: Raul Sesin, P.E.  
(1-cc copy)  
1-cc TEDSI Engineering Attn: Jose A. Sanchez  
1-cc Texas Cordia Construction, LLC  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering



Ricardo A. Gil, Lab Manager

**Celia Almaguer**

---

**From:** Billy Ortiz  
**Sent:** Thursday, August 18, 2016 10:33 AM  
**To:** Celia Almaguer  
**Subject:** FW: J-09 Rip Rap -Jackson road

---

**From:** Rick Gil  
**Sent:** Tuesday, July 19, 2016 2:28 PM  
**To:** Robert Tovar; Billy Ortiz  
**Cc:** Ruben; 'Yara M. Corbitt'; [jaimе.salazar@hcdd1.org](mailto:jaimе.salazar@hcdd1.org); Jose A. Sanchez  
**Subject:** RE: J-09 Rip Rap -Jackson road

We will set someone up.

Rick

---

**From:** Robert Tovar [<mailto:RTovar@tedsi.com>]  
**Sent:** Tuesday, July 19, 2016 1:27 PM  
**To:** Billy Ortiz  
**Cc:** Ruben; Rick Gil; 'Yara M. Corbitt'; [jaimе.salazar@hcdd1.org](mailto:jaimе.salazar@hcdd1.org); Jose A. Sanchez  
**Subject:** J-09 Rip Rap -Jackson road

ROO2 & ROO5

Billy/Rick,

TCC is currently forming the east side rip rap at N Jackson crossing, we would like to schedule pour for tomorrow 7/20/16 morning 6 am. *to include 7 + 28-day concrete compressive strength breaks (7/27/16 + 8/1/16)*

Thank you,

**Robert Tovar**  
Utility Coordinator/Construction Inspector  
[rtovar@tedsi.com](mailto:rtovar@tedsi.com)  
*TEDSI Infrastructure Group Inc.*  
1201 E. Expressway 83  
Mission TX 78572  
956.424.7898 Office  
956.802.6932 Mobile

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**CONCRETE COMPRESSION  
TEST REPORT**

Project Description: J-09 Drain Improvements Ph. II (Rio Grande L&G Project Number: E871601  
 Care Rd. to N. Main Drain)  
 Client: Hidalgo County Drainage District No. 1 L&G Report Number: R003-28  
 Engineer: TEDSI Engineering Sample Date: 07/15/2016  
 Contractor: Texas Cordia Construction, LLC Date Reported: 08/12/2016

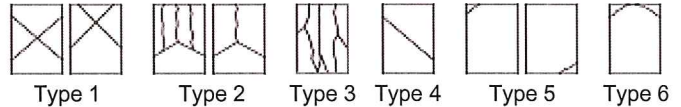
Client PO: 629471

Page 1 of 1

Placement Location: Rip Rap Sta. 390+00 Lt Wall  
 Mix ID: Class C Supplier: Alamo Concrete  
 Specified Strength: 3,600 P.S.I. @ 28 days  
 Specified Slump: N/A Slump: 4.5"  
 Specified Air Content: N/A Air Content: 1.9%  
 Weather Conditions: Warm & Windy Air Temp.: 81°f  
 Time Batched: \_\_\_\_\_ Time Sampled: 6:30 am Concrete Temp.: 88°f  
 Plant Ticket No: 56245 Truck No: N/A CY: 10  
 Water: 0 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	07/22/2016	7	85,640	Type 3	3,030		84.17%
	B	07/22/2016	7	79,045	Type 3	2,800	2,910	77.78%
	C	08/12/2016	28	101,185	Type 3	3,580	3,580	99.44%



**Remarks/Comments:**

6 x 12 in. Cylinders Note: One specimen was held for testing at 56-days.

Orig: Hidalgo County Drainage District No. 1  
 (Edinburg, TX) Attn: Raul Sesin, P.E.  
 (1-cc copy)  
 1-cc TEDSI Engineering Attn: Jose A. Sanchez  
 1-cc Texas Cordia Construction, LLC  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering

Ricardo A. Gil, Lab Manager

See email below – at Outfall, access from Jackson Rd.

Please advise.

Thank you,

**Jose A. Sanchez, P.E.**

**Project Manager**

**jasanchez@tedsi.com**

**TEDSI Infrastructure Group Inc.**

1201 E. Expressway 83

Mission TX 78572

956.424.7898 Office

956.221.4794 Mobile

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**From:** Ruben [<mailto:ruben@texascordia.com>]

**Sent:** Wednesday, July 13, 2016 5:30 PM

**To:** Jose A. Sanchez

**Cc:** 'Isabel Martinez'; 'Lydia Rodriguez'; 'Yara M. Corbitt, P. E.'; 'Isaac Heredia'; Robert Tovar

**Subject:** J09 North Main Drain - Rip-Rap

R003-28

Mr. Sanchez

TCC is scheduled to pour concrete, on both east and west rip-rap at main drain ditch, this Friday at 8:00 am.

(7/15/16)

to include 7 + 28 day concrete breaks.  
(7/22 & 8/12)

Thank you,

**Ruben Flores**

**Project Controls – Texas Cordia Construction**

3149-A Center Pointe Dr., Edinburg, TX 78539

O: (956) 627-6181 / M: (956) 624-8453

Fax: (956) 386-0289

[ruben@texascordia.com](mailto:ruben@texascordia.com)

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**REPORT OF SITE VISIT  
TEST REPORT**

Project Description: J-09 Drain Improvements Ph. II  
Care Rd. to N. Main Drain)  
Client: Hidalgo County Drainage District No. 1  
Engineer: TEDSI Engineering  
Contractor: Texas Cordia Construction, LLC

(Rio Grande L&G Project Number: E871601  
L&G Report Number: R004  
Sample Date: 07/27/2016  
Date Reported: 07/27/2016

Client PO: 629471

Page 1 of 1

On July 27, 2016, a representative of L&G Engineering Laboratory was dispatched to J-09 Ph. II Drain to perform inspection on the placement of ready-mixed concrete on Rip Rap.

Specimen Number 3 was obtained and tested at 6:05 AM, and the following were determined:

<b>Concrete Temp:</b> <u>84°f</u>	<u>N/A</u> Specification	<b>Entrapped/Entrained Air Content:</b> <u>2.9%</u>	<u>N/A</u> Specification
<b>Ambient Temp:</b> <u>81°f</u>	<u>N/A</u> Specification	<b>Slump:</b> <u>4 1/2 inches</u>	<u>5.0</u> Specification

From Specimen Number 3, a total of 4-6x12 cylindrical test specimens were cast for Compressive Strength Testing at intervals of 7 and 28 days.

On July 28, 2016, a representative of L&G Engineering Laboratory was dispatched to the referenced project to collect the cylindrical specimens cast on the placement of ready-mixed concrete on Rip Rap. The specimens were delivered to the laboratory where they were stripped, labeled, and placed in a curing tank for testing at intervals of 7 and 28 days.

Test Methods (If Applicable): ASTM C-231, ASTM C-143, ASTM C-1064, ASTM C-31, ASTM C-172

Orig: Hidalgo County Drainage District No. 1  
(Edinburg, TX) Attn: Raul Sesin, P.E.  
(1-cc copy)  
1-cc TEDSI Engineering Attn: Jose A. Sanchez  
1-cc Texas Cordia Construction, LLC  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering



Ricardo A. Gil, Lab Manager

**Celia Almaguer**

---

**From:** Robert Tovar [RTovar@tedsi.com]  
**Sent:** Monday, July 25, 2016 7:58 AM  
**To:** Billy Ortiz  
**Cc:** Rick Gil; Jose A. Sanchez; 'Jose Noe Saldivar'  
**Subject:** FW: J09 Jackson Crossing - Rip-Rap

Billy,

Please see attached for test scheduling.

---

**From:** Ruben [mailto:ruben@texascordia.com]  
**Sent:** Monday, July 25, 2016 7:27 AM  
**To:** Jose A. Sanchez  
**Cc:** Robert Tovar; Victor Longoria; Yara M. Corbitt, P. E; Isaac Heredia; Lydia Rodriguez; Isabel Martinez  
**Subject:** RE: J09 Jackson Crossing - Rip-Rap

Good morning Jose/Robert

ROOM 6 ROOM 7

TCC is preparing and scheduled to pour concrete on the remainder of the east side rip rap at N Jackson crossing, on Wednesday at 6am, please advise if we can proceed as planned. I will send material invoice later today.

(7/22/16) to include 2+ 28-day concrete compressive strength breaks.  
(8/3/16 + 8/4/16)

Thank you,

**Ruben Flores**  
**Project Controls – Texas Cordia Construction**

---

3149-A Center Pointe Dr., Edinburg, TX 78539

O: (956) 627-6181 / M: (956) 624-8453

Fax: (956) 386-0289

[ruben@texascordia.com](mailto:ruben@texascordia.com)

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**CONCRETE COMPRESSION  
TEST REPORT**

Project Description: J-09 Drain Improvements Ph. II (Rio Grande L&G Project Number: E871601  
 Care Rd. to N. Main Drain)  
 Client: Hidalgo County Drainage District No. 1 L&G Report Number: R005-28  
 Engineer: TEDSI Engineering Sample Date: 07/20/2016  
 Contractor: Texas Cordia Construction, LLC Date Reported: 08/17/2016

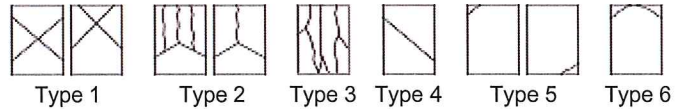
Client PO: 629471

Page 1 of 1

Placement Location: Rip Rap Sta 378+00  
 Mix ID: 214045633 Supplier: Alamo Concrete  
 Specified Strength: 4,000 P.S.I. @ 28 days  
 Specified Slump: N/A Slump: 5.5"  
 Specified Air Content: N/A Air Content: 1.7%  
 Weather Conditions: Humid & Windy Air Temp.: 77°F  
 Time Batched: 6:00 am Time Sampled: 6:32 am Concrete Temp.: 89°F  
 Plant Ticket No: 56315 Truck No: 7225 CY: 10  
 Water: 0 gal.

**Compressive Strength Data**

Set No.	Identification	Test Date	Age (days)	Maximum Load (pounds)	Break Type	Comp. Strength (psi)	Average Strength (psi)	% of Design
2	A	07/27/2016	7	88,115	Type 6	3,120		78.00%
	B	07/27/2016	7	88,180	Type 3	3,120	3,120	78.00%
	C	08/17/2016	28	113,735	Type 6	4,020	4,020	100.50%



**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 TEDSI Engineering Attn: Jose A. Sanchez  
 1-cc Texas Cordia Construction, LLC  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering

Ricardo A. Gil, Lab Manager

**Celia Almaguer**

---

**From:** Billy Ortiz  
**Sent:** Thursday, August 18, 2016 10:33 AM  
**To:** Celia Almaguer  
**Subject:** FW: J-09 Rip Rap -Jackson road

---

**From:** Rick Gil  
**Sent:** Tuesday, July 19, 2016 2:28 PM  
**To:** Robert Tovar; Billy Ortiz  
**Cc:** Ruben; 'Yara M. Corbitt'; [jaime.salazar@hcdd1.org](mailto:jaime.salazar@hcdd1.org); Jose A. Sanchez  
**Subject:** RE: J-09 Rip Rap -Jackson road

We will set someone up.

Rick

---

**From:** Robert Tovar [<mailto:RTovar@tedsi.com>]  
**Sent:** Tuesday, July 19, 2016 1:27 PM  
**To:** Billy Ortiz  
**Cc:** Ruben; Rick Gil; 'Yara M. Corbitt'; [jaime.salazar@hcdd1.org](mailto:jaime.salazar@hcdd1.org); Jose A. Sanchez  
**Subject:** J-09 Rip Rap -Jackson road

ROO2 & ROO5-28

Billy/Rick,

TCC is currently forming the east side rip rap at N Jackson crossing, we would like to schedule pour for tomorrow 7/20/16 morning 6 am. *to include 7 + 28-day concrete compressive strength breaks (7/27/16 + 8/17/16)*

Thank you,

**Robert Tovar**  
Utility Coordinator/Construction Inspector  
[rtovar@tedsi.com](mailto:rtovar@tedsi.com)  
*TEDSI Infrastructure Group Inc.*  
1201 E. Expressway 83  
Mission TX 78572  
956.424.7898 Office  
956.802.6932 Mobile

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**REPORT OF SITE VISIT  
TEST REPORT**

Project Description: J-09 Drain Improvements Ph. II (Rio Grande L&G Project Number: E871601  
Care Rd. to N. Main Drain)  
Client: Hidalgo County Drainage District No. 1 L&G Report Number: R006  
Engineer: TEDSI Engineering Sample Date: 08/01/2016  
Contractor: Texas Cordia Construction, LLC Date Reported: 08/01/2016

Client PO: 629471

Page 1 of 1

On August 1, 2016, a representative of L&G Engineering Laboratory was dispatched to J-09 Ph. II Drain to perform inspection on the placement of ready-mixed concrete on Rip Rap.

Specimen Number 4 was obtained and tested at 7:30 AM, and the following were determined:

<b>Concrete Temp:</b> <u>85°f</u> <u>N/A</u> Specification	<b>Entrapped/Entrained Air Content:</b> <u>3.5%</u> <u>N/A</u> Specification
<b>Ambient Temp:</b> <u>84°f</u> <u>N/A</u> Specification	<b>Slump:</b> <u>4 1/4 inches</u> <u>N/A</u> Specification

From Specimen Number 4, a total of 4-6x12 cylindrical test specimens were cast for Compressive Strength Testing at intervals of 7 and 28 days.

On August 2, 2016, a representative of L&G Engineering Laboratory was dispatched to the referenced project to collect the cylindrical specimens cast on the placement of ready-mixed concrete on Rip Rap. The specimens were delivered to the laboratory where they were stripped, labeled, and placed in a curing tank for testing at intervals of 7 and 28 days.

Test Methods (If Applicable): ASTM C-231, ASTM C-143, ASTM C-1064, ASTM C-31, ASTM C-172

Orig: Hidalgo County Drainage District No. 1  
(Edinburg, TX) Attn: Raul Sesin, P.E.  
(1-cc copy)  
1-cc TEDSI Engineering Attn: Jose A. Sanchez  
1-cc Texas Cordia Construction, LLC  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering



Ricardo A. Gil, Lab Manager

**Celia Almaguer**

---

**From:** Robert Tovar [RTovar@tedsi.com]  
**Sent:** Friday, July 29, 2016 9:13 AM  
**To:** Rick Gil  
**Subject:** FW: J09 Jackson Crossing - Rip-Rap West Side  
**Attachments:** cmc wire mesh2.pdf

Rick,

Please see e-mail below.. Thanks

---

**From:** Robert Tovar  
**Sent:** Friday, July 29, 2016 8:18 AM  
**To:** 'Bortiz@lgengineers.com'  
**Cc:** Jose A. Sanchez; 'Jose Noe Saldivar'; 'Rick Gil'  
**Subject:** FW: J09 Jackson Crossing - Rip-Rap West Side

Billy,

Please see e-mail below and let me know if reschedule is possible..Thanks.

---

**From:** Ruben [mailto:ruben@texascordia.com]  
**Sent:** Friday, July 29, 2016 8:13 AM  
**To:** Jose A. Sanchez  
**Cc:** Robert Tovar; Victor Longoria; Yara M. Corbitt, P. E; Isaac Heredia; Lydia Rodriguez; Isabel Martinez  
**Subject:** RE: J09 Jackson Crossing - Rip-Rap West Side

Good morning Robert

Please reschedule Monday morning pour from 6am to 7am. We will be pouring at 7am. Attached is material ticket. Rip rap will be ready for pre pour inspection this afternoon at 3.

*to include 7+28 day concrete comp. strength breaks.  
(8/8/16 + 8/29/16)*

*R006 & R009*

Thank you,

**Ruben Flores**  
**Project Controls – Texas Cordia Construction**

---

3149-A Center Pointe Dr., Edinburg, TX 78539  
O: (956) 627-6181 / M: (956) 624-8453  
Fax: (956) 386-0289  
ruben@texascordia.com

---

**From:** Ruben [mailto:ruben@texascordia.com]  
**Sent:** Thursday, July 28, 2016 10:39 AM  
**To:** 'Jose A. Sanchez' <JASanchez@tedsi.com>  
**Cc:** 'Robert Tovar' <RTovar@tedsi.com>; 'Victor Longoria' <VLongoria@tedsi.com>; Yara M. Corbitt, P. E <yara@texascordia.com>; Isaac Heredia <isaac@texascordia.com>; Lydia Rodriguez <lydia@texascordia.com>; Isabel

**CONCRETE COMPRESSION  
TEST REPORT**

Project Description: J-09 Drain Improvements Ph. II (Rio Grande L&G Project Number: E871601  
 Care Rd. to N. Main Drain)  
 Client: Hidalgo County Drainage District No. 1 L&G Report Number: R007-28  
 Engineer: TEDSI Engineering Sample Date: 07/27/2016  
 Contractor: Texas Cordia Construction, LLC Date Reported: 08/24/2016

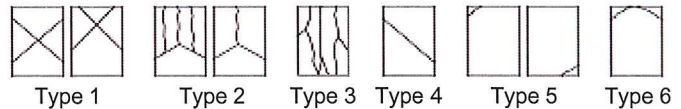
Client PO: 629471

Page 1 of 1

Placement Location: East Side Rip Rap Sta. 381+00  
 Mix ID: 3600 PSI Supplier: Alamo Concrete  
 Specified Strength: 3,600 P.S.I. @ 28 days  
 Specified Slump: Max 5 Slump: 4.5"  
 Specified Air Content: N/A Air Content: 2.9%  
 Weather Conditions: Breezy Air Temp.: 81°F  
 Time Batched: 4:57 am Time Sampled: 6:05 am Concrete Temp.: 84°F  
 Plant Ticket No: 56493 Truck No: 7163 CY: 20  
 Water: 0 gal.

**Compressive Strength Data**

Set No.	Identification	Test Date	Age (days)	Maximum Load (pounds)	Break Type	Comp. Strength (psi)	Average Strength (psi)	% of Design
3	A	08/03/2016	7	123,080	Type 3	4,350		120.83%
	B	08/03/2016	7	121,800	Type 5	4,310	4,330	119.72%
	C	08/24/2016	28	155,695	Type 3	5,510		153.06%
	D	08/24/2016	28	155,765	Type 3	5,510	5,510	153.06%



**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 TEDSI Engineering Attn: Jose A. Sanchez  
 1-cc Texas Cordia Construction, LLC  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering

Ricardo A. Gil, Lab Manager

**Celia Almaguer**

---

**From:** Robert Tovar [RTovar@tedsi.com]  
**Sent:** Monday, July 25, 2016 7:58 AM  
**To:** Billy Ortiz  
**Cc:** Rick Gil; Jose A. Sanchez; 'Jose Noe Saldivar'  
**Subject:** FW: J09 Jackson Crossing - Rip-Rap

Billy,

Please see attached for test scheduling.

---

**From:** Ruben [mailto:ruben@texascordia.com]  
**Sent:** Monday, July 25, 2016 7:27 AM  
**To:** Jose A. Sanchez  
**Cc:** Robert Tovar; Victor Longoria; Yara M. Corbitt, P. E; Isaac Heredia; Lydia Rodriguez; Isabel Martinez  
**Subject:** RE: J09 Jackson Crossing - Rip-Rap

Good morning Jose/Robert

R004 & R007-28

TCC is preparing and scheduled to pour concrete on the remainder of the east side rip rap at N Jackson crossing, on Wednesday at 6am, please advise if we can proceed as planned. I will send material invoice later today.

(7/22/16) to include 7+28-day concrete compressive strength breaks.  
(8/3/16 + 8/24/16)

Thank you,

**Ruben Flores**  
**Project Controls – Texas Cordia Construction**

---

3149-A Center Pointe Dr., Edinburg, TX 78539  
O: (956) 627-6181 / M: (956) 624-8453  
Fax: (956) 386-0289  
ruben@texascordia.com

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**REPORT OF SITE VISIT  
TEST REPORT**

Project Description: J-09 Drain Improvements Ph. II (Rio Grande L&G Project Number: E871601  
Care Rd. to N. Main Drain)  
Client: Hidalgo County Drainage District No. 1 L&G Report Number: R008  
Engineer: TEDSI Engineering Sample Date: 08/03/2016  
Contractor: Texas Cordia Construction, LLC Date Reported: 08/03/2016

Client PO: 629471

Page 1 of 1

On August 3, 2016, a representative of L&G Engineering Laboratory was dispatched to J-09 Ph. II Drain to perform inspection on the placement of ready-mixed concrete on Rip Rap.

Specimen Number 5 was obtained and tested at 6:07 AM, and the following were determined:

<b>Concrete Temp:</b> <u>88°f</u> <u>N/A</u> Specification	<b>Entrapped/Entrained Air Content:</b> <u>2.3%</u> <u>N/A</u> Specification
<b>Ambient Temp:</b> <u>77°f</u> <u>N/A</u> Specification	<b>Slump:</b> <u>3 inches</u> <u>N/A</u> Specification

From Specimen Number 5, a total of 4-6x12 cylindrical test specimens were cast for Compressive Strength Testing at intervals of 7 and 28 days.

On August 4, 2016, a representative of L&G Engineering Laboratory was dispatched to the referenced project to collect the cylindrical specimens cast on the placement of ready-mixed concrete on Rip Rap. The specimens were delivered to the laboratory where they were stripped, labeled, and placed in a curing tank for testing at intervals of 7 and 28 days.

Test Methods (If Applicable): ASTM C-231, ASTM C-143, ASTM C-1064, ASTM C-31, ASTM C-172

Orig: Hidalgo County Drainage District No. 1  
(Edinburg, TX) Attn: Raul Sesin, P.E.  
(1-cc copy)  
1-cc TEDSI Engineering Attn: Jose A. Sanchez  
1-cc Texas Cordia Construction, LLC  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering



Ricardo A. Gil, Lab Manager

**Celia Almaguer**

---

**From:** Robert Tovar [RTovar@tedsi.com]  
**Sent:** Tuesday, August 02, 2016 8:12 AM  
**To:** Billy Ortiz; Rick Gil  
**Subject:** FW: J09 Jackson Crossing - Rip-Rap West Side - Center portion

Billy,

See e-mail below and let me know.. Thanks

---

**From:** Ruben [mailto:ruben@texascordia.com]  
**Sent:** Monday, August 01, 2016 3:48 PM  
**To:** Jose A. Sanchez  
**Cc:** Robert Tovar; Victor Longoria; Yara M. Corbitt, P. E; Isaac Heredia; Lydia Rodriguez; Isabel Martinez  
**Subject:** RE: J09 Jackson Crossing - Rip-Rap West Side - Center portion

Jose/Robert

*R008 & R010*

TCC is currently forming and scheduled to pour concrete on the west side rip rap (remainder center portion) at N Jackson crossing, on Wednesday at 6am. Rip rap will be available for pre pour inspection on Tuesday afternoon, please advise if we can proceed as planned. *8/3/16 to include 7+28day concrete comp. strength breaks. (8/10/16 + 8/31/16)*

Thank you,

**Ruben Flores**  
**Project Controls – Texas Cordia Construction**

---

3149-A Center Pointe Dr., Edinburg, TX 78539  
O: (956) 627-6181 / M: (956) 624-8453  
Fax: (956) 386-0289  
[ruben@texascordia.com](mailto:ruben@texascordia.com)

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**CONCRETE COMPRESSION  
TEST REPORT**

Project Description: J-09 Drain Improvements Ph. II  
 Care Rd. to N. Main Drain)  
 Client: Hidalgo County Drainage District No. 1  
 Engineer: TEDSI Engineering  
 Contractor: Texas Cordia Construction, LLC

(Rio Grande L&G Project Number: E871601  
 L&G Report Number: R009  
 Sample Date: 08/01/2016  
 Date Reported: 08/08/2016

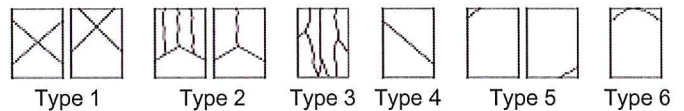
Client PO: 629471

Page 1 of 1

Placement Location: West Side Rip Rap Sta. 67+00  
 Mix ID: 213661030 Supplier: Alamo Concrete  
 Specified Strength: 3,600 P.S.I. @ 28 days  
 Specified Slump: N/A Slump: 4.25"  
 Specified Air Content: N/A Air Content: 3.5%  
 Weather Conditions: Humid Air Temp.: 84°f  
 Time Batched: 6:27 am Time Sampled: 7:30 am Concrete Temp.: 85°f  
 Plant Ticket No: 56641 Truck No: 7163 CY: 10  
 Water: 0 gal.

**Compressive Strength Data**

Set No.	Identification	Test Date	Age (days)	Maximum Load (pounds)	Break Type	Comp. Strength (psi)	Average Strength (psi)	% of Design
4	A	08/08/2016	7	107,510	Type 3	3,800		105.56%
	B	08/08/2016	7	115,115	Type 3	4,070	3,940	113.06%



**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 TEDSI Engineering Attn: Jose A. Sanchez  
 1-cc Texas Cordia Construction, LLC  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering



Ricardo A. Gil, Lab Manager

## Celia Almaguer

---

**From:** Robert Tovar [RTovar@tedsi.com]  
**Sent:** Friday, July 29, 2016 9:13 AM  
**To:** Rick Gil  
**Subject:** FW: J09 Jackson Crossing - Rip-Rap West Side  
**Attachments:** cmc wire mesh2.pdf

Rick,

Please see e-mail below.. Thanks

---

**From:** Robert Tovar  
**Sent:** Friday, July 29, 2016 8:18 AM  
**To:** 'Bortiz@lgengineers.com'  
**Cc:** Jose A. Sanchez; 'Jose Noe Saldivar'; 'Rick Gil'  
**Subject:** FW: J09 Jackson Crossing - Rip-Rap West Side

Billy,

Please see e-mail below and let me know if reschedule is possible..Thanks.

---

**From:** Ruben [mailto:ruben@texascordia.com]  
**Sent:** Friday, July 29, 2016 8:13 AM  
**To:** Jose A. Sanchez  
**Cc:** Robert Tovar; Victor Longoria; Yara M. Corbitt, P. E; Isaac Heredia; Lydia Rodriguez; Isabel Martinez  
**Subject:** RE: J09 Jackson Crossing - Rip-Rap West Side

Good morning Robert

Please reschedule Monday morning pour from 6am to 7am. We will be pouring at 7am. Attached is material ticket. Rip rap will be ready for pre pour inspection this afternoon at 3.

*to include 7+28 day concrete comp. strength breaks.  
(8/8/16 + 8/29/16)*

*R006 & R009*

Thank you,

**Ruben Flores**  
**Project Controls – Texas Cordia Construction**

---

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Fax: (956) 386-0289  
[ruben@texascordia.com](mailto:ruben@texascordia.com)

---

**From:** Ruben [mailto:ruben@texascordia.com]  
**Sent:** Thursday, July 28, 2016 10:39 AM  
**To:** 'Jose A. Sanchez' <JASanchez@tedsi.com>  
**Cc:** 'Robert Tovar' <RTovar@tedsi.com>; 'Victor Longoria' <VLongoria@tedsi.com>; Yara M. Corbitt, P. E <yara@texascordia.com>; Isaac Heredia <isaac@texascordia.com>; Lydia Rodriguez <lydia@texascordia.com>; Isabel



**Celia Almaguer**

---

**From:** Robert Tovar [RTovar@tedsi.com]  
**Sent:** Tuesday, August 02, 2016 8:12 AM  
**To:** Billy Ortiz; Rick Gil  
**Subject:** FW: J09 Jackson Crossing - Rip-Rap West Side - Center portion

Billy,

See e-mail below and let me know.. Thanks

---

**From:** Ruben [mailto:ruben@texascordia.com]  
**Sent:** Monday, August 01, 2016 3:48 PM  
**To:** Jose A. Sanchez  
**Cc:** Robert Tovar; Victor Longoria; Yara M. Corbitt, P. E; Isaac Heredia; Lydia Rodriguez; Isabel Martinez  
**Subject:** RE: J09 Jackson Crossing - Rip-Rap West Side - Center portion

Jose/Robert

*R008 & R010*

TCC is currently forming and scheduled to pour concrete on the west side rip rap (remainder center portion) at N Jackson crossing, on Wednesday at 6am. Rip rap will be available for pre pour inspection on Tuesday afternoon, please advise if we can proceed as planned. *8/3/16 to include 7 + 28 day concrete comp. strength breaks. (8/10/16 + 8/31/16)*

Thank you,

**Ruben Flores**  
**Project Controls – Texas Cordia Construction**

---

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## REPORT OF SITE VISIT TEST REPORT

Project Description: J-09 Drain Improvements Ph. II  
(Care Rd. to N. Main Drain)

(Rio Grande L&G Project Number: E871601

Client: Hidalgo County Drainage District No. 1

L&G Report Number: R011

Engineer: TEDSI Engineering

Sample Date: 08/19/2016

Contractor: Texas Cordia Construction, LLC

Date Reported: 08/19/2016

---

Client PO: 629471

Page 1 of 1

On August 19, 2016, a representative of L&G Engineering Laboratory was dispatched to J-09 Ph. II Drain to perform inspection on the placement of ready-mixed concrete on Headwalls at Sta. 389+00.

---

Specimen Number 6 was obtained and tested at 7:05 AM, and the following were determined:

<b>Concrete Temp:</b> <u>88°f</u>	<u>N/A</u> Specification	<b>Entrapped/Entrained Air Content:</b> <u>2.6%</u>	<u>N/A</u> Specification
<b>Ambient Temp:</b> <u>79°f</u>	<u>N/A</u> Specification	<b>Slump:</b> <u>5 1/2 inches</u>	<u>N/A</u> Specification

From Specimen Number 6, a total of 4-6x12 cylindrical test specimens were cast for Compressive Strength Testing at intervals of 7 and 28 days.

---

On August 20, 2016, a representative of L&G Engineering Laboratory was dispatched to the referenced project to collect the cylindrical specimens cast on the placement of ready-mixed concrete on Headwalls at Sta. 389+00. The specimens were delivered to the laboratory where they were stripped, labeled, and placed in a curing tank for testing at intervals of 7 and 28 days.

Test Methods (If Applicable): ASTM C-231, ASTM C-143, ASTM C-1064, ASTM C-31, ASTM C-172

Orig: Hidalgo County Drainage District No. 1  
(Edinburg, TX) Attn: Raul Sesin, P.E.  
(1-cc copy)  
1-cc TEDSI Engineering Attn: Jose A. Sanchez  
1-cc Texas Cordia Construction, LLC  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering



---

Ricardo A. Gil, Lab Manager

## Celia Almaguer

---

**From:** Billy Ortiz  
**Sent:** Wednesday, August 24, 2016 8:48 AM  
**To:** Celia Almaguer  
**Subject:** FW: J09 Jackson Crossing - Head Wall Footing

ROI

---

**From:** Robert Tovar [<mailto:RTovar@tedsi.com>]  
**Sent:** Thursday, August 18, 2016 5:08 PM  
**To:** Billy Ortiz  
**Subject:** Re: J09 Jackson Crossing - Head Wall Footing

Approx 50 yards

Sent from my iPhone

On Aug 18, 2016, at 2:44 PM, "Billy Ortiz" <[bortiz@lgengineers.com](mailto:bortiz@lgengineers.com)> wrote:

Mr. Tovar,

I will schedule you in accordingly. Would you happen to know approximately how many yards of concrete will be pour that way the technician can get situated with the amount of cylinders he will need to take.

Thank you,

### **Billy Ortiz**

L&G Engineering Laboratory  
2100 West Expressway 83  
Mercedes, Texas 78570  
Telephone: (956) 565-0760  
Fax: (956) 565-6746  
[www.LGEngineers.com/laboratory](http://www.LGEngineers.com/laboratory)

---

**From:** Robert Tovar [<mailto:RTovar@tedsi.com>]  
**Sent:** Thursday, August 18, 2016 10:44 AM  
**To:** Billy Ortiz; Rick Gil  
**Cc:** Jose A. Sanchez; 'Isaac Heredia'  
**Subject:** FW: J09 Jackson Crossing - Head Wall Footing

Billy/Rick,

Please see email below and schedule accordingly. Thanks..

---

**From:** Ruben [<mailto:ruben@texascordia.com>]  
**Sent:** Thursday, August 18, 2016 10:40 AM  
**To:** Jose A. Sanchez  
**Cc:** Robert Tovar; Victor Longoria  
**Subject:** J09 Jackson Crossing - Head Wall Footing

Good morning Robert

As discussed yesterday on our field meeting TCC is scheduled to pour concrete on head wall footing and floor for tomorrow morning at 7:00 am.

8/19/16

Thank you,

**Ruben Flores**

**Project Controls – Texas Cordia Construction**

---

3149-A Center Pointe Dr., Edinburg, TX 78539

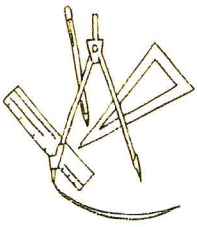
O: (956) 627-6181 / M: (956) 624-8453

Fax: (956) 386-0289

[ruben@texascordia.com](mailto:ruben@texascordia.com)

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# L&G Consulting Engineers, Inc.

August 26, 2016

RECEIVED  
HIDALGO COUNTY  
DRAINAGE DISTRICT #1

SEP 02 2016

1:05 AM/PM

BY: MP

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

**RE: J-09 Drain Improvements Ph. II (Rio Grande Care Rd. to N. Main Drain)  
Construction Materials Testing On-Call Contract - Work Authorization #4  
Project No. # E871601**

Dear Mr. Salazar:

Attached for your review and approval is our invoice for the services rendered under Work Authorization #4 on the subject referenced project for the month of August.

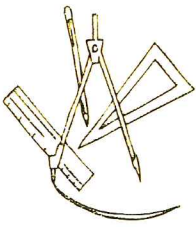
The following is attached:

- L&G's Invoice #16-8-000020
- Test Reports and progress letters as prepared and forwarded to HCDD No. 1 and all parties involved on the project.

Should you have any questions regarding this submittal or would like clarification on any aspect of the project, please do not hesitate to call me at (956) 565-0760.

Sincerely,

Ricardo A. Gil  
General Manager  
Laboratory Operations



# L&G Consulting Engineers, Inc.

---

August 26, 2016

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

SEP 02 2016

1:05 AM/PM

BY: MP

**RE: J-09 Drain Improvements Ph. II (Rio Grande Care Rd. to N. Main Drain)**

Dear Mr. Salazar:

Included for your use with this letter is test report **R002 – R011** for **Construction Materials Testing Services** performed on the above referenced project. As noted on **R003-28**, specimen failed to meet psi requirements at 28-days. One specimen was held for testing at 56-days.

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  
Texas Cordia Construction, LLC  
TEDSI Engineering, Attn: Jose A. Sanchez



# Hidalgo County Drainage District No. 1

902 North Doolittle Road, Edinburg, TX 78542 Office: 956-292-7080

## Invoice Processing Routing Slip

Invoice/ Backup

Date Received: 8/26/2016

Engineer/Firm Name: Raba Kistner Consultants

Project Name/Number: Mile 6 & Mile 14 North Area DIP

Invoice No.: R026461

Invoice Date: 8/24/2016

Due Date: 9/25/2016

Purchase Order No.: 629829

Amount: \$5,600.00

Total # of Pages Submitted: 1

Attachments:  CD  USB  Plans Other: \_\_\_\_\_

Engineering:

Construction:

Received By: Maria Perez

### Forwarded to:

Nora D. Cavazos \_\_\_\_\_ Date: \_\_\_\_\_

Esther Layton \_\_\_\_\_ Date: \_\_\_\_\_

Claudette Guerrero \_\_\_\_\_ Date: \_\_\_\_\_

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

Lora Briones \_\_\_\_\_ Date: \_\_\_\_\_

Additional Comments: Agreement C-13-021-04-029B

CONSULTANTS \* ENVIRONMENTAL \* FACILITIES \* INFRASTRUCTURE

**BILLING DATE :**  
8/24/2016

**PROJECT :**  
AMA1604200  
Prop. Mile 6 W & Mile 14 N Drainage

**CLIENT :**  
A11371 Hidalgo County Drainage District #1



**Mr. Jorge A. Gonzalez, PE, SIT, CFM**  
Hidalgo County Drainage District #1  
902 N. Doolittle  
Edinburg, TX 78542

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

**PHONE (210) 699-9090**

### CONSULTING SERVICES

RKCI Proposal No. PMA16-056-00  
Hidalgo County Drainage District PO No. 629829  
Agreement # C-13-021-04-029B

**FOR PROFESSIONAL SERVICES RENDERED THROUGH: 8/20/2016**

TOTAL FEE AUTHORIZED	5,600.00
PERCENT COMPLETE AS OF 8/20/2016	100.00%
FEE EARNED TO DATE	5,600.00
LESS PREVIOUS BILLINGS	0.00
<b>AMOUNT DUE THIS INVOICE **</b>	<b>5,600.00</b>

RK PROJECT MANAGER: KATRIN M LEONARD  
CLIENT PHONE: 210-318-2643

**RECEIVED**  
HIDALGO COUNTY  
DRAINAGE DISTRICT #1

AUG 26 2016

12:26 AM (PM)

BY: MAP

PROJECT ACCOUNTS RECEIVABLE SUMMARY		
Amount Due This Invoice	\$	5,600.00
Total of Previous Invoices - Currently Unpaid		0.00
Total Due And Payable	\$	5,600.00

\* Invoices are submitted monthly and are due on receipt. \* Carrying charges may be assessed on invoices unpaid beyond 30 days from billing date.  
AP Aug-16 **PLEASE PAY FROM THIS INVOICE.**





# Hidalgo County Drainage District No. 1

902 North Doolittle Road, Edinburg, TX 78542 Office: 956-292-7080

## Invoice Processing Routing Slip

Invoice/ Backup

Date Received: 8/29/2016

Engineer/Firm Name: Quintanilla, Headley and Associates, Inc.

Project Name/Number: Pct. 2 Minnesota/Cesar Chavez Area Drainage Improv.

Invoice No.: 9484

Invoice Date: 8/19/2016

Due Date: 9/28/2016

Purchase Order No.: 629242

Amount: \$46,991.70

Total # of Pages Submitted: 201

Attachments:  CD  USB  Plans Other: \_\_\_\_\_

Engineering:

Construction:

Received By: Maria Perez

### Forwarded to:

Nora D. Cavazos \_\_\_\_\_ Date: \_\_\_\_\_

Esther Layton \_\_\_\_\_ Date: \_\_\_\_\_

Claudette Guerrero \_\_\_\_\_ Date: \_\_\_\_\_

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

Lora Briones \_\_\_\_\_ Date: \_\_\_\_\_

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



**QUINTANILLA, HEADLEY AND ASSOCIATES, INC.**

**Consulting Engineers ★ Land Surveyors**  
Alfonso Quintanilla, P.E. # 95534 R.P.L.S. # 4856 Eulalio Ramirez, P.E. # 77062  
Engineering Firm Registration No. F-1513  
Surveying Firm Registration No. 100411-00  
Municipal & County Projects ★ Subdivisions ★ Surveys  
124 E. Stubbs, Edinburg, Texas 78539  
Phone 956/381-6480 Fax 956/381-0527  
Email: [office@qhaengineering.com](mailto:office@qhaengineering.com)  
[www.qhaengineering.com](http://www.qhaengineering.com)


DATE	INVOICE No.
8/19/2016	9484

**BILL TO**

HCDD No.1  
Attn: Jaime Salazar  
902 N. Doolittle Road  
Edinburg, Texas 78539

**RECEIVED**  
HIDALGO COUNTY  
DRAINAGE DISTRICT #1

AUG 29 2016  
4:50 AM/PM  
BY: MAP

DESCRIPTION OF SERVICES	AMOUNT
PROJECT: PRECINCT No. 2 MINNESOTA-CESAR CHAVEZ AREA DRAINAGE IMPROVEMENTS CONTRACT # HCDD1-16-012-03-07C WORK AUTHORIZATION No. 1  PAYMENT REQUEST No. 1 PROFESSIONAL ENGINEERING SERVICES AS FOLLOWS: A) ASSEMBLE AND MANAGE A TEAM TO PROVIDE DESIGN SERVICES FOR THE PROPOSED DRAINAGE IMPROVEMENTS B) PREPARE PRELIMINARY ENGINEERING REPORT WITH COST ESTIMATE C) PREPARE FINAL DESIGN (70% COMPLETE) D) PREPARE PLANS (70% COMPLETE) AMOUNT DUE TO DATE: \$46,991.70	46,991.70
	0.00
 <div style="border: 1px solid black; padding: 5px; display: inline-block;">We appreciate your business!</div>	
	\$46,991.70



QUINTANILLA, HEADLEY AND ASSOCIATES, INC.

Consulting Engineers ★ Land Surveyors  
Engineering Firm Registration No. F-1513  
Surveying Firm Registration No. 100411-00

RECEIVED  
HIDALGO COUNTY  
DRAINAGE DISTRICT #1

AUG 29 2016

4:50 AM/PM

BY: *MAP*

## Letter of Transmittal

**To:** Hidalgo County Drainage Dist. No. 1  
902 N. Doolittle Road  
Edinburg, Texas 78539

**Date:** August 19, 2016

**Attention:** Jorge Gonzalez, P.E., S.I.T., C.F.M.

**Re:** Pct. No. 2 Minnesota – Cesar Chavez  
Area Drainage Improvements

Contract: HCDD No. 1-16-012-03-07C

### Description:

- ❖ Preliminary Engineering Report
- ❖ Full Size Set of Construction Plans
- ❖ Digital File of Construction Plans
- ❖ Bid Documents and Technical Specifications
- ❖ Payment Request No. 1 / Invoice No. 9484 in the amount of \$46,991.70

**Remarks:** Please review and let me know if you have any questions.

Sent By: Clarissa for Alfonso Quintanilla, P.E.

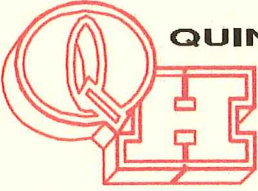
Delivered By:

Received By:

Printed Name

Time:

\* This (these) were dropped-off at the training facility. they were brought by Esther to the front office on 8-29-16 at 4:50 P.M. *MAP*



**QUINTANILLA, HEADLEY AND ASSOCIATES, INC.**

**Consulting Engineers ★ Land Surveyors**

Alfonso Quintanilla, P.E. # 95534 R.P.L.S #4856 Eulalio Ramirez, P.E. # 77062

Engineering Firm Registration No. F-1513

Surveying Firm Registration No. 100411-00

Municipal & County Projects ★ Subdivisions ★ Surveys

**RECEIVED**  
HIDALGO COUNTY  
DRAINAGE DISTRICT #1

**AUG 29 2016**

4:50 AM  PM

BY: [Signature]

August 19, 2016

Mr. Jorge Gonzalez, P.E., S.I.T., C.F.M.  
District Engineer III  
Hidalgo County Drainage District No.1  
902 North Doolittle Road  
Edinburg, Texas 78541

**Re: Pct. No. 2 Minnesota – Cesar Chavez Area Drainage Improvements**  
**Contract: HCDD No.1-16-012-03-07C**  
**Work Authorization No.1**

Dear Mr. Gonzalez,

Enclosed are the following items:

- Preliminary Engineering Report
- Set of Construction Plans (70% submittal) – One Full Size and One PDF
- Bid Documents and Technical Specifications
- Payment Request No.1

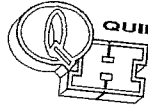
Please review and provide me with your comments.

Should you have any questions or need additional information, please feel free to call me at 381-6480.

Respectfully,

[Signature] P.E.

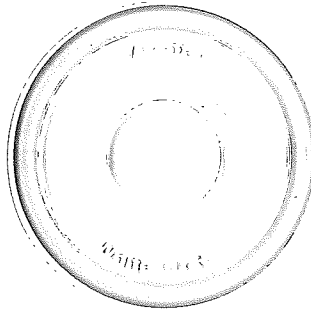
Alfonso Quintanilla, P.E., R.P.L.S.  
President



**QUINTANILLA, HEADLEY AND ASSOCIATES, INC.**

**Consulting Engineers \* Land Surveyors**  
124 E. Stubbs, Edinburg, Texas 78539

**Alfonso Quintanilla, P.E. # 95534**  
**R.P.L.S. # 4856**  
**Eulalio Ramirez, P.E. #77062**



**Engineering Firm**  
**Registration No. F-1513**  
**Surveying Firm**  
**Registration No. 100411-00**

**Hidalgo County Precinct No. 2**  
**Minnesota – Cesar Chavez Area Drainage**  
**Improvements – Work Authorization No. 1**

**August 19, 2016**



# Hidalgo County Drainage District No. 1

902 North Doolittle Road, Edinburg, TX 78542 Office: 956-292-7080

## Invoice Processing Routing Slip Invoice/ Backup

Date Received: 9/1/2016

Engineer/Firm Name: L&G Engineering

Project Name/Number: La Joya Watershed Improv. Project WA No. 5

Invoice No.: 11325852

Invoice Date: 8/31/2016

Due Date: 10/1/2016

Purchase Order No.: 626943

Amount: \$10,061.95

Total # of Pages Submitted: 6

Attachments:  CD  USB  Plans Other: \_\_\_\_\_

Engineering:  Construction:

Received By: Maria Perez

### Forwarded to:

Nora D. Cavazos \_\_\_\_\_ Date: \_\_\_\_\_

Esther Layton \_\_\_\_\_ Date: \_\_\_\_\_

Claudette Guerrero \_\_\_\_\_ Date: \_\_\_\_\_

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

Lora Briones \_\_\_\_\_ Date: \_\_\_\_\_

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

**L & G Consulting Engineers Inc**  
**2100 W. Expressway 83**  
**Mercedes, TX 78570**  
**(956)565-9813 Fax (956)565-9018**

**INVOICE#: 11325852**  
**INVOICE DATE: 8/31/2016**

**RECEIVED**  
 HIDALGO COUNTY  
 DRAINAGE DISTRICT #1

**BILL TO:**

Hidalgo County Drainage District#1  
 902 N. Doolittle  
 Edinburg, TX 78542

**JOB:130105**  
**La Joya Watershed Imp**  
**WA#5**  
**PO #625396**

SEP 01 2016

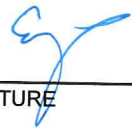
11:31 AM PM

BY: 

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
Engineering services for the month of August 2016.						
16101 - Task 1-Drainage area maps - existing conditions/propose	6,827.76	6,827.76		6,827.76	100.0	-
16102 - Task 2-Hydrologic data/discharge determination	4,426.80	4,426.80		4,426.80	100.0	-
16103 - Task 3-Design Wier of Siphon to circumvent existing HP (	17,894.72	14,171.34	1,933.91	16,105.25	90.0	1,789.47
16104 - Task 4-Culverts Layouts	6,527.64	6,527.64		6,527.64	100.0	-
16105 - Task 5-Determine Impact - Proposed Drainage Plan	3,301.36	3,301.36		3,301.36	100.0	-
16106 - Task 6-Determine and Identify the utility adjustments for th	12,529.92	12,529.92		12,529.92	100.0	-
16107 - Task 7-Summary of Quantities	3,901.60	3,901.60		3,901.60	100.0	-
16108 - Task 8-Specifications, General Notes and Standards for i	9,341.40	9,341.40		9,341.40	100.0	-
61001 - Task 9-Preliminary Design Consultations	7,502.80	7,502.80		7,502.80	100.0	-
61002 - Task 10-Field Observations and Verifications	9,628.60	9,628.60		9,628.60	100.0	-
61003 - Task 11-Exchange of Information with Utility Providers	15,005.60	15,005.60		15,005.60	100.0	-
61004 - Task 12-Confirmation of Property Interests	15,005.60	9,003.36	6,002.24	15,005.60	100.0	-
61005 - Task 13-Develop and execute release of Easements	20,638.97			0.00	0.0	20,638.97
61006 - Task 14-Coordination and Development of Joint Use Agre	10,754.00			0.00	0.0	10,754.00
61007 - Task 15-Utility meetings throughout project development	8,503.20	6,377.40	2,125.80	8,503.20	100.0	-
60000 - ROW Acquisition Administration	35,700.00	33,807.90		33,807.90	94.7	1,892.10
60001 - Title Services	3,600.00	3,600.00		3,600.00	100.0	-
60002 - Appraisal Services	3,000.00	3,000.00		3,000.00	100.0	-
60030-Appraisal Services / SUB	13,500.00	13,500.00		13,500.00	100.0	-
60003 - Appraisal Review	2,100.00	2,100.00		2,100.00	100.0	-
60040 - Appraisal Review / SUB	2,700.00	2,700.00		2,700.00	100.0	-
60004 - Parcel Negotiations	21,000.00			0.00	0.0	21,000.00
60005 - Closing Service Fees	1,200.00			0.00	0.0	1,200.00
<b>TOTALS:</b>	<b>234,589.97</b>	<b>167,253.48</b>	<b>10,061.95</b>	<b>177,315.43</b>	<b>75.6</b>	<b>57,274.54</b>

ORIGINAL CONTRACT SUM \$ 234,589.97  
 CHANGE BY CHANGE ORDER \$ 0.00  
 CONTRACT SUM TO DATE \$ 234,589.97  
 TOTAL COMPLETED TO DATE \$ 177,315.43  
 LESS PREVIOUS INVOICES \$ 167,253.48

PROJECT MANAGER'S SIGNATURE



CURRENT PAYMENT DUE \$ 10,061.95

L&G Consulting Engineers, Inc  
 2100 W. Expressway 83  
 Mercedes, Texas 78570  
 (956) 565-9813

**Project Workhour Report**

La Joya Watershed Improvements WA#5

Reference: Inv#11325852

Date: 8/31/2016

P.O.#626943

	Hrs		Rate	Total
Project Engineer	3.40	X	121.92	\$414.53
Design Engineer	4.50	X	112.55	\$506.48
ROW Administrator	68.00	X	106.29	\$7,227.72
Environmental Scientist/Specialist	0.00	X	78.16	\$0.00
Engineer Tech	13.50	X	75.03	\$1,012.91
CADD Operator/GIS Analyst	0.00	X	65.65	\$0.00
Admin/Clerical	16.00	X	56.27	\$900.32

**Grand Total of Hours**

\$ 10,061.96

(Difference due to rounding hours)

\$ 0.01

**Invoice Summary**

Man Hours

\$ 10,061.95

Right-of-Way Acquisition

\$ -

Sub Contract

\$ -

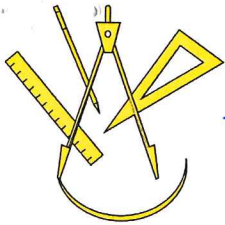
(See Attached Sub Invoice for Man Hour Breakdown)

(Difference due to rounding)

\$ -

**Total Per Invoice Submitted**

**\$ 10,061.95**



# L&G Engineering

Transportation Consultants

September 1, 2016

**RECEIVED**  
HIDALGO COUNTY  
DRAINAGE DISTRICT #1

SEP 01 2016

11:31 AM/PM

BY: MAP

Mr. Raul E. Sesin, P.E. – District Manager  
**Attn: Ms. Lora Briones – Chief Financial Officer**  
 Hidalgo County Drainage District #1  
 902 N. Doolittle  
 Edinburg, Texas 78542

**RE: Work Authorization #5 on La Joya Watershed Improvement Project**  
**Job #130105**  
**P.O. #626943**

Dear Mr. Sesin,

Attached for your review and approval is our progress report for the month of August 2016 on the subject referenced project.

CROSS CULVERTS		% Complete
16101 - Task 1-Drainage area maps - existing conditions/proposed improvements	L&G	100%
<b>Task is complete – see progress report dated 06-01-2015</b>		
16102 - Task 2-Hydologic data/discharge determination	L&G	100%
<b>Task is complete – see progress report dated 06-01-2015</b>		
16103 - Task 3-Design Wier of Siphon to circumvent existing HP Gas Lines	L&G	90%
<p>L&amp;G Engineering has written a letter on behalf of the County, requesting that TxDOT (Texas Department of Transportation) allow the outfall parcels be bought in the name of the state. TxDOT has agreed to accept the parcels in the name of the state. TxDOT has hired Cobb Findley to coordinate the compensable utilities along the outfall north of Expressway 83. Cobb Findley requested that L&amp;G update some of the plan sheets that were previously submitted to TxDOT. L&amp;G sent TxDOT an e-mail requesting that all correspondence, questions, and request between Cobb Findley and L&amp;G be directed through the TxDOT PM. L&amp;G made some of the requested modifications to the sheets, but also found some discrepancies within the information that Cobb Findley provided to L&amp;G. L&amp;G asked that TxDOT review the information that Cobb Findley provided and to compare it to the TIN/DTM files that TxDOT had provided to L&amp;G. TxDOT has of yet not responded to the e-mail that was sent to them.</p>		

16104 - Task 4-Culverts Layouts	L&G	100%
<b>Task is complete – see progress report dated 06-01-2015</b>		
16105 - Task 5-Determine Impact - Proposed Drainage Plan	L&G	100%
<b>Task is complete – see progress report dated 06-01-2015</b>		
16106 - Task 6-Determine and Identify the utility adjustments for the cross-culvert in cord with TxDOT	L&G	100%
<b>Task is complete – see progress report dated 06-01-2015</b>		
16107 - Task 7-Summary of Quantities	L&G	100%
<b>Task is complete – see progress report dated 06-01-2015</b>		
16108 - Task 8-Specifications, General Notes and Standards for inclusion in TxDOT Plans	L&G	100%
<b>Task is complete – see progress report dated 06-01-2015</b>		
COMPENSABLE UTILITIES		
61001 - Task 9-Preliminary Design Consultations	L&G	100%
<b>Task is complete – see progress report dated 10-01-2015</b>		
61002 - Task 10-Field Observations and Verifications	L&G	100%
<b>Task is complete – see progress report dated 06-01-2015</b>		
61003 - Task 11-Exchange of Information with Utility Providers	L&G	100%
L&G Engineering provided the gas companies with the design layouts at the gas line crossings.		
61004 - Task 12-Confirmation of Property Interests	L&G	100%
A pipeline right-of-way and easement agreement was provided to L&G Engineering.		
61005 - Task 13-Develop and execute release of Easements	L&G	0%
This task is ongoing.		
61006 - Task 14-Coordination and Development of Joint Use Agreements	L&G	0%
This task is ongoing.		
61007 - Task 15-Utility meetings throughout project development	L&G	100%
Cobb Fendley has been tasked with completing the compensable utility adjustments		

for this project, as shown in an e-mail that has been received by L&G Engineering. L&G Engineering requested that TxDOT agree in writing(e-mail) that Cobb Fendley is indeed going to complete the final utility coordination. Attended monthly TXDOT utility meeting.		
<b>RIGHT-OF-WAY ACQUISITION</b>		
60000 - ROW Acquisition Administration	L&G	94.7%
Project presence has been established at 900 S. Stewart Road in Mission, Texas 78572 @ L&G Engineering-Transportation Consulting Engineers Right of Way Office. The office is open during normal County and State work hours with available personnel to answer questions about the project. One staff member is a current commissioned notary. Appraisals are complete and have been submitted to the review appraiser. The title commitments continue to be worked on. Negotiations should start in December. <b>No Invoice.</b>		
60001 - Title Services	L&G	100%
<b>This task is now complete.</b>		
60002 - Appraisal Services	L&G	100%
<b>This task is now complete.</b>		
60030 - Appraisal Services / SUB	LGA	100%
<b>This task is now complete.</b>		
60003 - Appraisal Review	L&G	100%
<b>This task is now complete.</b>		
60040 - Appraisal Review / SUB	HLH	100%
<b>This task is now complete.</b>		
60004 - Parcel Negotiations	L&G	0%
<b>NO UPDATE: This task has not begun yet.</b>		
60005 - Closing Service Fees	L&G	0%
<b>NO UPDATE: This task has not begun yet.</b>		

Should you have any questions regarding this submittal or would like clarification on any aspect of the project, please do not hesitate to call me at (956) 585-1909.

Sincerely,

---

Armando J. Sandoval, P.E.  
Project Manager L&G Engineering



**L&G Engineering**  
Transportation Consulting Engineers

2100 W. Expressway 83  
Mercedes, TX 78570  
Phone: (956) 565-9813  
Fax: (956) 565-9018  
Toll Free: (888) 565-9813  
Firm No. F-4105

900 S. Stewart Rd., Ste. 10  
Mission, TX 78572  
Phone: (956) 585-1909  
Fax: (956) 585-1927  
Toll Free: (866) 585-1909

# Letter of Transmittal

Mr. Raul E. Sesin, P.E. – Drainage District Manager  
**Attn: Ms. Lora Briones – Chief Financial Manager**  
Hidalgo County Drainage District #1  
902 N. Doolittle Rd.  
Edinburg, Texas 78542

DATE:  
September 1, 2016

**REF.: Work Authorization #5 on La Joya Watershed Improvement Project**  
P.O. #626943

**L&G PROJECT NO.:**  
130105

**TRANSMITTED:**

<input checked="" type="checkbox"/> For Your Use	<input type="checkbox"/> Please comment	<input type="checkbox"/> Approved as Noted
<input type="checkbox"/> As Requested	<input type="checkbox"/> Reply ASAP	<input type="checkbox"/> As Noted Below


**VIA:**

<input type="checkbox"/> US Mail	<input type="checkbox"/> Courier	<input checked="" type="checkbox"/> Hand Carry
<input type="checkbox"/> E-Mail	<input type="checkbox"/> Lonestar Overnight	<input type="checkbox"/> Pick up

COPIES	DESCRIPTION

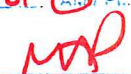
**REMARKS:**  
Attached is our invoice and progress report for the month of August.

If you have any questions or comments, please feel free to contact me or Mr. Damien B. Tijerina, P.E. at 956-585-1909.

Thank you,  
  
Armando J. Sandoval, P.E.  
Project Manager

**RECEIVED**  
HIDALGO COUNTY  
DRAINAGE DISTRICT #1

SEP 01 2016

11:31  
BY: 

Received By \_\_\_\_\_

**L & G Engineering Electronic Data & CAD Disclaimer**

By opening the attached files, the user agrees that data provided by this electronic file is for information purposes only and should be used at one's own risk. L & G Engineering, makes no representations, written or verbal, that the information contained in these CAD files are complete or accurate or should be relied upon for construction except to the extent that they are labeled, dimensioned or otherwise noted and reflect exactly what is on the approved and sealed preliminary or final drawings. Any conflict between the information reflected on the sealed plan sheets and that provided via this electronic data file shall be resolved in favor of the sealed plan sheets. Any reproduction of these sheets without the appropriate preliminary stamp, or professional engineering seal and signature, and the express written approval of L & G Engineering, is a violation of the Professional Engineering Practice Act.

9/1/2016

HCDD#1



**La Joya Watershed Improvement Project WA#5  
Task 3,11,12,15**

**L & G Engineering**

Highway / Civil  
Structural / Bridge  
Environmental  
Construction Material Testing

900 S. Stewart Rd. Ste 5  
Mission, TX, 79572  
Phone : (956) 585-1909  
Fax : (956) 585-1927



# Hidalgo County Drainage District No. 1

902 North Doolittle Road, Edinburg, TX 78542 Office: 956-292-7080

## Invoice Processing Routing Slip

Invoice/ Backup

Date Received: 9/1/2016

Engineer/Firm Name: L&G Engineering

Project Name/Number: La Joya Watershed Improv. Project WA No. 10

Invoice No.: 11325888

Invoice Date: 8/31/2016

Due Date: 10/1/2016

Purchase Order No.: 629641

Amount: \$17,669.94

Total # of Pages Submitted: 8

Attachments:  CD  USB  Plans Other: \_\_\_\_\_

Engineering:  Construction:

Received By: Maria Perez

### Forwarded to:

Nora D. Cavazos \_\_\_\_\_ Date: \_\_\_\_\_

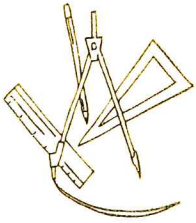
Esther Layton \_\_\_\_\_ Date: \_\_\_\_\_

Claudette Guerrero \_\_\_\_\_ Date: \_\_\_\_\_

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

Lora Briones \_\_\_\_\_ Date: \_\_\_\_\_

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



# L&G Engineering

RECEIVED Transportation Consultants  
HIDALGO COUNTY  
DRAINAGE DISTRICT #1

September 1, 2016

**Mr. Raul Sesin, P.E. – District Manager**  
Hidalgo County Drainage District #1  
902 N. Doolittle  
Edinburg, Texas 78542

SEP 01 2016

4:52 AM/PM

BY: MAP

**RE: Work Authorization #10 on La Joya Watershed Improvement Project (Mile 3 Outfall)**

**Job # 130110**  
**P.O. # 629641**

Dear Mr. Sesin,

Attached for your review and approval is our invoice for the services rendered during the month of August 2016 on the subject referenced project.

The following is attached:

- L&G's Invoice #11325888
- CD w/ Electronic Files of Data for:
  - FC 15001, 13020, 15010 & 16305

TASK		% COMPL
FC 15001 ~ Coordination & Management of ROW Map and Design Survey	L&G	80.3%
<b>Update</b> – L&G has coordinated with R.O.W. SS throughout the month on completion of ROW Map and progress to date on Field Surveying.		
FC 13020 ~ (SUB): ROW Map, Parcel Sketches, & Field Notes	ROW SS	90.0%
<b>Update</b> – See progress report from R.O.W. SS dated August 31, 2016 (see attached).		
FC 15010 ~ (SUB): Field and Design Survey	ROW SS	78.6%
<b>Update</b> – See progress report from R.O.W. SS dated August 31, 2016 (see attached).		
FC 60001 ~ Acquisition of ROW for Proposed Facility; Negotiation with Land Owner(s)	L&G ROW	0.0%
<b>No Update</b> – Task not yet started.		
FC 16305 ~ Conceptual Site (w/ 3D Rendering)	L&G	100%
<b>Update</b> – L&G has completed development of the exhibit that shows a conceptual model of the location being utilized as a multi-use facility (drainage/recreational).		

Should you have any questions regarding this submittal or would like clarification on any aspect of the project, please do not hesitate to call me at (956) 585-1909.

Sincerely,

David Saenz, P.E., C.F.M.  
Project Manager, L&G Engineering

**L &G Consulting Engineers Inc**  
**2100 W. Expressway 83**  
**Mercedes, TX 78570**  
**(956)565-9813 Fax (956)565-9018**

**INVOICE#:** 11325888  
**INVOICE DATE:** 8/31/2016

**RECEIVED**  
 HIDALGO COUNTY  
 DRAINAGE DISTRICT #1

**BILL TO:**  
 Hidalgo County Drainage District#1  
 902 N. Doolittle  
 Edinburg, TX 78542

**JOB:**130110  
 La Joya Watershed Imp  
 WA#10 PO#629641

SEP 01 2016

4:52 AM (PM)

BY: *[Signature]*

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
Engineering services for the month of August 2016.						
13020-SUB-ROW Map, Parcel Sketches, & Field Notes - #1	3,000.00		2,700.00	2,700.00	90.0	300.00
15001-Coorination & Management of ROW Map and Design Survey	1,775.72		1,425.58	1,425.58	80.3	350.14
15010-SUB-Field and Design Survey - #1	14,005.00		11,012.00	11,012.00	78.6	2,993.00
60001-Acquisition of ROW for Proposed Facility: Negotiation with	8,500.00			0.00	0.0	8,500.00
16305-Conceptual Site (w/ 3D Rendering)	10,129.44	7,597.08	2,532.36	10,129.44	100.0	-
<b>TOTALS:</b>	<b>37,410.16</b>	<b>7,597.08</b>	<b>17,669.94</b>	<b>25,267.02</b>	<b>67.5</b>	<b>12,143.14</b>

*[Signature]*  
 PROJECT MANAGER'S SIGNATURE

ORIGINAL CONTRACT SUM	\$	37,410.16
CHANGE BY CHANGE ORDER	\$	0.00
CONTRACT SUM TO DATE	\$	37,410.16
TOTAL COMPLETED TO DATE	\$	25,267.02
LESS PREVIOUS INVOICES	\$	7,597.08
<b>CURRENT PAYMENT DUE</b>	<b>\$</b>	<b>17,669.94</b>

L&G Consulting Engineers, Inc  
 2100 W. Expressway 83  
 Mercedes, Texas 78570  
 (956) 565-9813

**Project Workhour Report**

La Joya Watershed Improvements WA#10

Reference: Inv# 11325888

Date: 8/31/2016

P.O. #629641

	Hrs		Rate	Total
Senior Project Manager	7.00	X	212.59	\$1,488.13
Senior Engineer	2.00	X	175.07	\$350.14
Design Engineer	8.00	X	112.55	\$900.40
Senior Engineer Tech	12.00	X	78.16	\$937.92
Admin/Clerical	5.00	X	56.27	\$281.35

**Grand Total of Hours** \$ 3,957.94

(Difference due to rounding hours) \$ -

<b>Invoice Summary</b>		
Man Hours		\$ 3,957.94
Right-of-Way Acquisition		
Sub Contract		\$ 13,712.00
(See Attached Sub Invoice for Man Hour Breakdown)		
		\$ -
	(Difference due to rounding)	\$ -
<b>Total Per Invoice Submitted</b>		<b>\$ 17,669.94</b>

# R. O. W. SURVEYING SERVICES, L.L.C.

---

August 31, 2016

Jacinto Garza, President/CEO  
L & G Engineering  
**Attn: David A. Sáenz, P.E., C.F.M.**  
2100 W. Expressway 83  
Mercedes, Texas 78570

**RE: Invoice #R16-089**  
**La Joya Watershed Improvement-Mile 3 Outfall Project**  
**Work Authorization #24**  
**Limits: From Caliche Pit Northwest Quadrant To 3 Mile Road**

Dear Mr. Saenz:

Attached for your approval is our invoice for services rendered for the month of August, 2016. Additional attachments have a progress report and project Schedule C.

Thank you for your business. Should you have any questions or require additional information, please do not hesitate to give me a call at (956) 451-2670.

Sincerely,



Julio Cerda, P.E.  
President/CEO

# R. O. W. SURVEYING SERVICES, L.L.C.

---

## Progress Report as of August 31, 2016:

### **FC130 ROW Map, Parcel Description, Metes & Bounds Description, and Title Reports (1 parcels)**

Signed and Sealed Survey Exhibits previously submitted. Digital files attached to this invoice.

### **FC150 Field Surveying (Control Hz & Vt)**

#### **PHASE I**

##### **o A. *Primary Project Control***

Project primary control concrete monuments for the 3 Mile Expansion project. Monuments recovered and coordinates/elev verified.

##### **o B. *Secondary Project Control***

Secondary points set. Final signed and sealed control sheets to be delivered with 100% final invoice.

##### **o C. *Setting Benchmarks***

Benchmark data sheets to be delivered with 100% final invoice.

#### **PHASE II**

##### **A. Topography & Cross Section Survey**

Topography survey complete. Digital files attached.

##### **B. Locate Visible Utilities**

Utility locate complete. Digital files attached.

##### **E. Profile and Cross Section Intersecting Streets**

Profile and cross sections complete. Digital files attached.

##### **F. Irrigation Crossing**

Discussed location of Irrigation lines with United Irrigation District. Possible service line along West property line of tract. United unsure to exact location. Stand Pipes and visible lines have been tied.

##### **G. Existing Storm Drain H & V**

Complete. Digital Files attached.

##### **H. Cross Culverts, Driveway Culverts, Inverts**

Complete. Digital Files attached.

# R. O. W. SURVEYING SERVICES, L.L.C.

---

I. Outfalls

Abandoned Caliche pit survey complete. Digital Files attached.

J. Driveways and Turnouts

Complete. Digital Files attached.

K. Profiles of Existing Drainage Facilities

Complete. Digital Files attached.

L. Obtain Elevations of Manholes & Valves of Utilities

All visible Utilities have been surveyed. Digital Files attached.

M. Provide Temporary Signs, Traffic control, flags, safety equipment, etc.

Field crews provided safety signs and equipment when onsite.

N. Ties to Existing Bridges or Culverts that may be in Conflict with New Construction

Existing culverts tied to survey. No culverts out falling to caliche pit.

P. Survey Controlled Data Sheets per TxDOT guidelines

No Activities

## PHASE III

### Final Reports & Deliverables

o A. **CADD file (2D &3D) for limits of Project**

Topo and Basemap complete. Digital Files attached.

o B. **Final Report and Deliverables**

90% complete. Will submit control data sheets with final invoice.

### Project Management & Oversight

o A. **Meeting & Coordination with Engineers**

Meeting and coordination complete.

o B. **QC/QA Survey**

90% complete pending signed and sealed survey data sheets.

# R. O. W. Surveying Services, L.L.C.

900 S. Stewart Road, Suite 13  
Mission, TX 78572  
TBPLS Reg. # 10193886  
956-424-3335

## INVOICE

INVOICE NUMBER : **R16-089**  
Date: **August 31, 2016**  
Our Order No.: **R16070**

**BILL TO:**  
Jacinto Garza, P.E.  
L & G Engineering  
Attn: David A. Saenz, P.E., C.F.M.  
2100 W. Expressway 83  
Mercedes, Texas 78570

**RE: La Joya Watershed Improvement Project--Mile 3 Outfall (Work Authorization No. 24)**  
**Limits: From Caliche Pit Northwest Quadrant Abram Road To: 3 Mile Road**

Task and Description	Contract Amount	Invoice to Date	Paid to Date	Current Amount Due	Contract Balance	AMOUNT
<b>Function Code 130 - Right of Way Map</b>						
A. ROW Map, Parcel Description, Metes & Bounds Description, & Title Reports (1 parcels @ \$3,000/parcel)	\$3,000.00	\$2,700.00	\$0.00	\$2,700.00	\$300.00	90.00%
Sub-Total (FC 130):	\$3,000.00	\$2,700.00	\$0.00	\$2,700.00	\$300.00	90.00%
<b>Function Code 150</b>						
<b>Phase I - Field Surveying (Control Hz &amp; Vt)</b>						
<b>A. Primary Project Control</b>						
1. Establish Primary Control	\$517.00	\$466.00	\$0.00	\$466.00	\$51.00	90.14%
<b>B. Secondary Project Control</b>						
1. Set Additional Secondary Control Points as Needed	\$517.00	\$0.00	\$0.00	\$0.00	\$517.00	0.00%
2. Horizontal Values Established with RTK or VRS	\$310.00	\$0.00	\$0.00	\$0.00	\$310.00	0.00%
3. Vertical Values Established with Digital Level	\$310.00	\$0.00	\$0.00	\$0.00	\$310.00	0.00%
<b>C. Setting Benchmarks</b>						
1. Setting Benchmark	\$310.00	\$0.00	\$0.00	\$0.00	\$310.00	0.00%
<b>Phase II - DTM Topography and Cross Sections</b>						
A. Topographic & Cross Sections	\$1,595.00	\$1,436.00	\$0.00	\$1,436.00	\$159.00	90.03%
B. Locate Visible Utilities	\$1,434.00	\$1,291.00	\$0.00	\$1,291.00	\$143.00	90.03%
C. Utilities	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%
D. Proposed Centerline on Existing Pavement	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%
E. Profile and Cross Section Intersecting Streets	\$638.00	\$575.00	\$0.00	\$575.00	\$63.00	90.13%
F. Irrigation Crossing	\$237.00	\$214.00	\$0.00	\$214.00	\$23.00	90.30%
G. Existing Storm Drain	\$237.00	\$214.00	\$0.00	\$214.00	\$23.00	90.30%
H. Cross Culverts, Driveway Culverts, Inverts	\$237.00	\$214.00	\$0.00	\$214.00	\$23.00	90.30%
I. Outfalls	\$866.00	\$780.00	\$0.00	\$780.00	\$86.00	90.07%
J. Driveways and Turnouts	\$237.00	\$214.00	\$0.00	\$214.00	\$23.00	90.30%
K. Profiles of Existing Drainage Facilities	\$948.00	\$854.00	\$0.00	\$854.00	\$94.00	90.08%
L. Obtain Elevations of Manholes & Valves of Utilities	\$237.00	\$214.00	\$0.00	\$214.00	\$23.00	90.30%
M. Provide tem. signs, traffic control, flags, safety equip., etc.	\$155.00	\$140.00	\$0.00	\$140.00	\$15.00	90.32%
N. Ties to Existing Bridges or Culvert that may be in conflict w/new con	\$1,112.00	\$1,001.00	\$0.00	\$1,001.00	\$111.00	90.02%
O. Inventory Signs, Mailboxes, & Driveways	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%
P. Survey Control Data Sheetss per TxDot	\$332.00	\$0.00	\$0.00	\$0.00	\$332.00	0.00%
Q. Recover & Establish Existing CL & ROW	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%
R. Coordinate with the Engineer for Existing CL Stationing	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%
<b>Phase III - Final Report &amp; Deliverables</b>						
A. CADD file (2D & 3D) for limits of project	\$1,433.00	\$1,290.00	\$0.00	\$1,290.00	\$143.00	90.02%
B. Final Report and Deliverables	\$649.00	\$584.00	\$0.00	\$584.00	\$65.00	89.98%
<b>Project Management and Oversight</b>						
A. Meeting and Coordination w/ Engineers	\$598.00	\$538.00	\$0.00	\$538.00	\$60.00	89.97%
B. QC/QA Survey	\$1,096.00	\$987.00	\$0.00	\$987.00	\$109.00	90.05%
Sub-Total (FC 150):	\$14,005.00	\$11,012.00	\$0.00	\$11,012.00	\$2,993.00	78.6291%
<b>GRAND TOTAL:</b>	<b>\$17,005.00</b>	<b>\$13,712.00</b>	<b>\$0.00</b>	<b>\$13,712.00</b>	<b>\$3,293.00</b>	<b>80.6351%</b>
				<b>TOTAL DUE:</b>	<b>\$13,712.00</b>	

**DIRECT ALL INQUIRIES TO:**  
JULIO CERDA, P.E.  
(956)451-2670  
email: julio@southtexasig.com

**MAKE ALL CHECKS PAYABLE TO:**  
**R. O. W. Surveying Services, L.L.C.**  
Attn: JULIO CERDA, P.E.  
900 S. Stewart Road, Suite #13, Mission, Texas 78572

**THANK YOU FOR YOUR BUSINESS!**



**L&G Engineering**  
Transportation Consulting Engineers

2100 W. Expressway 83  
Mercedes, TX 78570  
Phone: (956) 565-9813  
Fax: (956) 565-9018  
Toll Free: (888) 565-9813  
Firm No. F-4105

900 S. Stewart Rd., Ste. 10  
Mission, TX 78572  
Phone: (956) 585-1909  
Fax: (956) 585-1927  
Toll Free: (866) 585-1909

# Letter of Transmittal

**Mr. Raul Sesin, P.E. – District Manager**  
Hidalgo County Drainage District #1  
902 N. Doolittle Rd.  
Edinburg, Texas 78542

**DATE:**  
September 1, 2016

**Project: Progress Report & Invoice Package for Various Work Authorizations**  
La Joya Watershed Improvement Project  
Mission Inlet Recertification Project

**L&G PROJECT NO.:**

**TRANSMITTED:**

- |  |   |  |
|--|---|--|
| <input checked="" type="checkbox"/> For Your Use | <input type="checkbox"/> Please comment | <input type="checkbox"/> Approved as Noted |
| <input type="checkbox"/> As Requested            | <input type="checkbox"/> Reply ASAP     | <input type="checkbox"/> As Noted Below    |

**VIA:**

- |                                  |   |  |
|----------------------------------|---|--|
| <input type="checkbox"/> US Mail | <input type="checkbox"/> Courier            | <input checked="" type="checkbox"/> Hand Carry |
| <input type="checkbox"/> E-Mail  | <input type="checkbox"/> Lonestar Overnight | <input type="checkbox"/> Pick up               |

**COPIES**

**DESCRIPTION**

- | COPIES | DESCRIPTION  |
|--------|--|
| 1      | Progress Report and Invoice Package (including CD w/Electronic Files) for the following Project:   |
|        | <ul style="list-style-type: none"> <li>• Work Authorization #10 on La Joya Watershed Improvement Project               <ul style="list-style-type: none"> <li>○ P.O. #629641, Invoice #11325888</li> </ul> </li> <li>• Work Authorization #5 on Mission Inlet Recertification Project               <ul style="list-style-type: none"> <li>○ P.O. #628488, Invoice #11325886</li> </ul> </li> <li>• Work Authorization #6 on Mission Inlet Recertification Project               <ul style="list-style-type: none"> <li>○ P.O. #629786, Invoice #11325887</li> </ul> </li> </ul> |

**RECEIVED**  
HIDALGO COUNTY  
DRAINAGE DISTRICT #1

SEP 01 2016

4:52 AM (PM)

BY: MAP

**REMARKS:**

If you have any questions or comments, please feel free to contact me, Mr. David Saenz, P.E. at (956) 585-1909.

Thank you,

Received By: \_\_\_\_\_

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

**La Joya Watershed Improvement  
Project**

**Work Authorization #10**



**Invoice #  
11325888**

**HCDD#1**

**8/31/2016**

L & G Engineering Electronic Data & CAD Disclaimer by opening the attached files, the user agrees that data provided by this electronic file is for information purposes only and should be used at one's own risk. L & G Engineering makes no representations, written or verbal, that the information contained in these CAD files are complete or accurate or should be relied upon for construction except to the extent that they are labeled, dimensioned or otherwise noted and reflect exactly what is on the approved and sealed preliminary or final drawings. Any conflict between the information reflected on the sealed plan sheets and that provided via this electronic data file shall be resolved in favor of the sealed plan sheets. Any reproduction of these sheets without the appropriate preliminary stamp, or professional engineering seal and signature, and the express written approval of L & G Engineering, is a violation of the Professional Engineering Practice Act.



# Hidalgo County Drainage District No. 1

902 North Doolittle Road, Edinburg, TX 78542 Office: 956-292-7080

## Invoice Processing Routing Slip

Invoice/ Backup

Date Received: 9/2/2016

Engineer/Firm Name: L&G Consulting Engineers, Inc.

Project Name/Number: Hoehn Road Area Drainage & Road Improv. WA No. 2

Invoice No.: 16-8-000019

Invoice Date: 8/27/2016

Due Date: 10/2/2016

Purchase Order No.: 628202

Amount: \$3,159.41

Total # of Pages Submitted: 27

Attachments:  CD  USB  Plans Other: \_\_\_\_\_

Engineering:

Construction:

Received By: Maria Perez

### Forwarded to:

Nora D. Cavazos \_\_\_\_\_ Date: \_\_\_\_\_

Esther Layton \_\_\_\_\_ Date: \_\_\_\_\_

Claudette Guerrero \_\_\_\_\_ Date: \_\_\_\_\_

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

Lora Briones \_\_\_\_\_ Date: \_\_\_\_\_

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



**INVOICE**

Invoice Date: 08/27/2016  
 Invoice No: 16-8-000019

**RECEIVED**  
 HIDALGO COUNTY  
 DRAINAGE DISTRICT #1

SEP 02 2016

1:05 AM/PM

BY: *[Signature]*

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 / \$25,352.22

===== 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
910:91009 - M-D ASTM D698 (Standard Proctor) (each)	\$212.59	1.00	\$212.59
910:91011 - Field Density (Nuclear Method)	\$23.91	22.00	\$526.02
940:94048 - Eng. Tech. (Soils / SP.)	\$51.34	19.50	\$1,001.13
940:94054 - Engineering Lab Mgr.	\$102.68	2.25	\$231.03
940:94055 - Project Engineer	\$129.86	2.25	\$292.23
950:95058 - Vehicle Trip Charge	\$0.56	594.00	\$332.64
950:95060 - Administrative / Clerical	\$60.40	4.50	\$271.80
950:95061 - Test Report	\$23.59	9.00	\$212.31
<b>Total for this Invoice:</b>			<b>\$3,159.41</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>
R021	07/21/2016	1.00	910:91004 - Atterberg Limits Det	Each	\$79.66	\$79.66
R021	07/21/2016	1.00	910:91009 - M-D ASTM D698 (Standard Proctor) (each)	Each	\$212.59	\$212.59
R021	07/21/2016	2.50	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$51.34	\$128.35
R021	07/21/2016	0.25	940:94054 - Engineering Lab Mgr.	Hour	\$102.68	\$25.67
R021	07/21/2016	0.25	940:94055 - Project Engineer	Hour	\$129.86	\$32.47
R021	07/21/2016	66.00	950:95058 - Vehicle Trip Charge	Mile	\$0.56	\$36.96
R021	07/21/2016	0.50	950:95060 - Administrative / Clerical	Hour	\$60.40	\$30.20
R021	07/21/2016	1.00	950:95061 - Test Report	Each	\$23.59	\$23.59

Report Number R021 for a Subtotal of: \$569.49

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>
R022	07/26/2016	3.00	910:91011 - Field Density (Nuclear Method)	Each	\$23.91	\$71.73
R022	07/26/2016	2.50	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$51.34	\$128.35
R022	07/26/2016	0.25	940:94054 - Engineering Lab Mgr.	Hour	\$102.68	\$25.67
R022	07/26/2016	0.25	940:94055 - Project Engineer	Hour	\$129.86	\$32.47
R022	07/26/2016	66.00	950:95058 - Vehicle Trip Charge	Mile	\$0.56	\$36.96
R022	07/26/2016	0.50	950:95060 - Administrative / Clerical	Hour	\$60.40	\$30.20
R022	07/26/2016	1.00	950:95061 - Test Report	Each	\$23.59	\$23.59
Report Number R022 for a Subtotal of:						\$348.97
R023	08/02/2016	3.00	910:91011 - Field Density (Nuclear Method)	Each	\$23.91	\$71.73
R023	08/02/2016	2.00	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$51.34	\$102.68
R023	08/02/2016	0.25	940:94054 - Engineering Lab Mgr.	Hour	\$102.68	\$25.67
R023	08/02/2016	0.25	940:94055 - Project Engineer	Hour	\$129.86	\$32.47
R023	08/02/2016	66.00	950:95058 - Vehicle Trip Charge	Mile	\$0.56	\$36.96
R023	08/02/2016	0.50	950:95060 - Administrative / Clerical	Hour	\$60.40	\$30.20
R023	08/02/2016	1.00	950:95061 - Test Report	Each	\$23.59	\$23.59
Report Number R023 for a Subtotal of:						\$323.30
R024	08/05/2016	2.00	910:91011 - Field Density (Nuclear Method)	Each	\$23.91	\$47.82
R024	08/05/2016	2.00	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$51.34	\$102.68
R024	08/05/2016	0.25	940:94054 - Engineering Lab Mgr.	Hour	\$102.68	\$25.67
R024	08/05/2016	0.25	940:94055 - Project Engineer	Hour	\$129.86	\$32.47
R024	08/05/2016	66.00	950:95058 - Vehicle Trip Charge	Mile	\$0.56	\$36.96
R024	08/05/2016	0.50	950:95060 - Administrative / Clerical	Hour	\$60.40	\$30.20
R024	08/05/2016	1.00	950:95061 - Test Report	Each	\$23.59	\$23.59
Report Number R024 for a Subtotal of:						\$299.39
R025	08/05/2016	3.00	910:91011 - Field Density (Nuclear Method)	Each	\$23.91	\$71.73
R025	08/05/2016	2.00	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$51.34	\$102.68
R025	08/05/2016	0.25	940:94054 - Engineering Lab Mgr.	Hour	\$102.68	\$25.67

**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>
R025	08/05/2016	0.25	940:94055 - Project Engineer	Hour	\$129.86	\$32.47
R025	08/05/2016	66.00	950:95058 - Vehicle Trip Charge	Mile	\$0.56	\$36.96
R025	08/05/2016	0.50	950:95060 - Administrative / Clerical	Hour	\$60.40	\$30.20
R025	08/05/2016	1.00	950:95061 - Test Report	Each	\$23.59	\$23.59
Report Number R025 for a Subtotal of:						\$323.30
R026	08/09/2016	3.00	910:91011 - Field Density (Nuclear Method)	Each	\$23.91	\$71.73
R026	08/09/2016	2.00	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$51.34	\$102.68
R026	08/09/2016	0.25	940:94054 - Engineering Lab Mgr.	Hour	\$102.68	\$25.67
R026	08/09/2016	0.25	940:94055 - Project Engineer	Hour	\$129.86	\$32.47
R026	08/09/2016	66.00	950:95058 - Vehicle Trip Charge	Mile	\$0.56	\$36.96
R026	08/09/2016	0.50	950:95060 - Administrative / Clerical	Hour	\$60.40	\$30.20
R026	08/09/2016	1.00	950:95061 - Test Report	Each	\$23.59	\$23.59
Report Number R026 for a Subtotal of:						\$323.30
R027	08/12/2016	3.00	910:91011 - Field Density (Nuclear Method)	Each	\$23.91	\$71.73
R027	08/12/2016	2.00	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$51.34	\$102.68
R027	08/12/2016	0.25	940:94054 - Engineering Lab Mgr.	Hour	\$102.68	\$25.67
R027	08/12/2016	0.25	940:94055 - Project Engineer	Hour	\$129.86	\$32.47
R027	08/12/2016	66.00	950:95058 - Vehicle Trip Charge	Mile	\$0.56	\$36.96
R027	08/12/2016	0.50	950:95060 - Administrative / Clerical	Hour	\$60.40	\$30.20
R027	08/12/2016	1.00	950:95061 - Test Report	Each	\$23.59	\$23.59
Report Number R027 for a Subtotal of:						\$323.30
R028	08/17/2016	3.00	910:91011 - Field Density (Nuclear Method)	Each	\$23.91	\$71.73
R028	08/17/2016	2.50	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$51.34	\$128.35
R028	08/17/2016	0.25	940:94054 - Engineering Lab Mgr.	Hour	\$102.68	\$25.67
R028	08/17/2016	0.25	940:94055 - Project Engineer	Hour	\$129.86	\$32.47
R028	08/17/2016	66.00	950:95058 - Vehicle Trip Charge	Mile	\$0.56	\$36.96
R028	08/17/2016	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**

**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>
R028	08/17/2016	1.00	950:95061 - Test Report	Each	\$23.59	\$23.59
						Report Number R028 for a Subtotal of: \$348.97
R029	08/23/2016	2.00	910:91011 - Field Density (Nuclear Method)	Each	\$23.91	\$47.82
R029	08/23/2016	2.00	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$51.34	\$102.68
R029	08/23/2016	0.25	940:94054 - Engineering Lab Mgr.	Hour	\$102.68	\$25.67
R029	08/23/2016	0.25	940:94055 - Project Engineer	Hour	\$129.86	\$32.47
R029	08/23/2016	66.00	950:95058 - Vehicle Trip Charge	Mile	\$0.56	\$36.96
R029	08/23/2016	0.50	950:95060 - Administrative / Clerical	Hour	\$60.40	\$30.20
R029	08/23/2016	1.00	950:95061 - Test Report	Each	\$23.59	\$23.59
						Report Number R029 for a Subtotal of: \$299.39
						<b>Total for this Invoice: \$3,159.41</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

**PROCTOR  
TEST REPORT**

Project Description: Hoehn Road Area Drainage & Road Imprvts. WA #2  
 Client: Hidalgo County Drainage District No. 1  
 Contractor: Texas Cordia Construction, LLC

L&G Project Number: E871503  
 L&G Report Number: R021  
 Sample Date: 07/21/2016  
 Date Reported: 07/21/2016

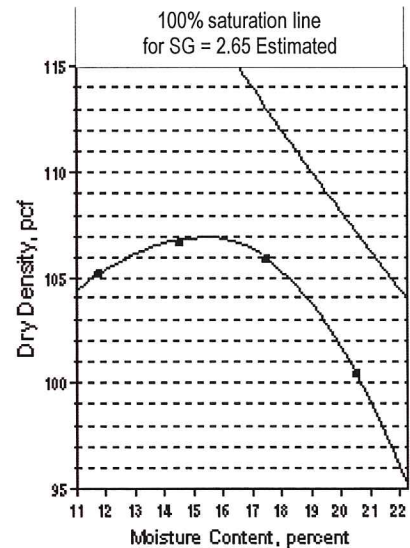
Compaction Method: ASTM D-698  
 Material Description: Lime Subgrade

Specific Gravity: 2.65

Liquid Limit: 27  
 Plastic Limit: 15  
 Plasticity Index: 12

Group Symbol: CL

Specimen No.:	1	2	3	4
Moisture, %:	11.7	14.4	17.5	20.6
Dry Density (pcf):	105.1	106.6	105.8	100.2
Maximum Dry Density in P.C.F.: 106.9				
Optimum Moisture (%): 15.5				



Remarks: Sampled from Hoeh Rd (Sta 7+75 - 12+00) Composite  
 Test Method: ASTM D-698 Method-A, ASTM D-4318

Orig: Hidalgo County Drainage District No. 1  
 (Edinburg, TX) Attn: Raul Sesin, P.E.  
 (1-cc copy)  
 1-cc Texas Cordia Construction, LLC  
 Attn: Isabel Martinez  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering

Ricardo A. Gil, Lab Manager

## Celia Almaguer

---

**From:** Billy Ortiz  
**Sent:** Thursday, August 18, 2016 9:23 AM  
**To:** Celia Almaguer  
**Subject:** FW: Hidalgo County Pct. No. 4 Hoehn Road Area Drainage And Road Improvements

---

**From:** Jesse Alvarez [<mailto:jose.alvarez@co.hidalgo.tx.us>]  
**Sent:** Thursday, July 21, 2016 9:15 AM  
**To:** Billy Ortiz  
**Cc:** Raul Sesin; Eliza Yzaguirre; Noe Saldivar; [jorge.gonzalez@hcdd1.org](mailto:jorge.gonzalez@hcdd1.org); Jaime Salazar; Nora Cavazos; Ruben Flores; Lydia; [isaac@texascordia.com](mailto:isaac@texascordia.com); [christian@texascordia.com](mailto:christian@texascordia.com); Rick Gil  
**Subject:** Hidalgo County Pct. No. 4 Hoehn Road Area Drainage And Road Improvements

RO21

Good Morning Billy ,

Please see below for testing request,

Date of Service Requested: 07/21/2016 Thursday

Time of Needed Services: 03:30 PM

Project Name/Location: Hidalgo County Pct. No. 4 Hoehn Road Area Drainage And Road Improvements

Type of Service Requested:

1 ) Lime Subgrade Proctor Pick-up from about Sta. 17+00 to Sta. 7+50 ( Indigo St ) on Hoehn Rd

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-  
Note: Testing Time has already been coordinated with Billy Ortiz

Thank You



**Celia Almaguer**

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**From:** Jesse Alvarez [jose.alvarez@co.hidalgo.tx.us]  
**Sent:** Tuesday, July 26, 2016 7:41 AM  
**To:** Billy Ortiz  
**Cc:** 'Raul Sesin'; 'Eliza Yzaguirre'; 'Noe Saldivar'; 'Nora Cavazos'; 'Jorge Gonzalez'; isaac@texascordia.com; ruben@texascordia.com; lydia@texascordia.com; Celia Almaguer; Rick Gil; christian@texascordia.com  
**Subject:** Hidalgo County Pct. No. 4 Hoehn Road Area Drainage And Road Improvements

Good Morning Billy ,

R022

Please see below for testing request,

Date of Service Requested: 07/26/2016

Time of Needed Services: 03:00 PM

Project Name/Location: Hidalgo County Pct. No. 4 Hoehn Road Area Drainage And Road Improvements

Type of Service Requested:  
1) 12" Lime Treated Sub-Grade Compaction  
Densities from Sta 17+00 To about  
Sta. 07+50

Note: Testing Time has already been coordinated with Billy Ortiz

**Thank You**

*Jesse Alvarez  
Construction Inspector  
Hidalgo County Engineering Projects Office  
902 Doolittle Rd.  
Edinburg, Texas 78542  
956-292-7000 ext. 2029*



**Celia Almaguer**

---

**From:** Billy Ortiz  
**Sent:** Thursday, August 18, 2016 9:23 AM  
**To:** Celia Almaguer  
**Subject:** FW: Hidalgo County Pct. No. 4 Hoehn Road Area Drainage And Road Improvements

2023

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**From:** Jesse Alvarez [<mailto:jose.alvarez@co.hidalgo.tx.us>]  
**Sent:** Tuesday, August 02, 2016 3:12 PM  
**To:** Billy Ortiz  
**Cc:** Raul Sesin; Eliza Yzaguirre; Noe Saldivar; Nora Cavazos; [jorge.gonzalez@hcdd1.org](mailto:jorge.gonzalez@hcdd1.org); Rick Gil; [claudette.guerrero@hcdd1.org](mailto:claudette.guerrero@hcdd1.org); Ruben Flores  
**Subject:** Re: Hidalgo County Pct. No. 4 Hoehn Road Area Drainage And Road Improvements

Good Afternoon Billy ,

Note : Please disregard previous Request from previous email below.

Please see below for Correct testing request,

Date of Service Requested: 08/02/2016 Tuesday

Time of Needed Services: 04:00 PM

Project Name/Location: Hidalgo County Pct. No. 4 Hoehn Road Area Drainage And Road Improvements

Type of Service Requested:

1) Lime Subgrade Compaction Densities from about Sta. 7+50 to Sta. 0+00( Monte Cristo Rd ) on Hoehn Rd

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Note: Testing Time has already been coordinated with Billy Ortiz

Thank You

## FIELD DENSITIES TEST REPORT

Project Description: Hoehn Road Area Drainage & Road Imprvts. WA #2  
 Client: Hidalgo County Drainage District No. 1  
 Contractor: Texas Cordia Construction, LLC

L&G Project Number: E871503  
 L&G Report Number: R024  
 Sample Date: 08/05/2016  
 Date Reported: 08/05/2016

Page 1 of 1

<b>Material Description</b>	Base Material		
<b>Required % Proctor</b>	98	<b>Moisture Tolerance</b>	-2+3
	<b>Proctor No</b>	<b>Optimum % Moisture</b>	<b>Opt. Density, LB/CF</b>
	BASE MD6	13.6	115.7

Test No.	Test Location	Proctor No	Moisture Content	Dry Density	Percent Compaction	Depth (inch)
1	Hoehn Rd. Sta. 38+50 & 3ft E. of CL	BASE MD6	13.6%	116.4 pcf	100.6% (Pass)	8"
2	Hoehn Rd. Sta. 34+00 CL	BASE MD6	12.7%	113.9 pcf	98.4% (Pass)	8"

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 Texas Cordia Construction, LLC  
 Attn: Isabel Martinez  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering



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

**Celia Almaguer**

---

**From:** Jesse Alvarez [jose.alvarez@co.hidalgo.tx.us]  
**Sent:** Thursday, August 04, 2016 2:44 PM  
**To:** Billy Ortiz  
**Cc:** 'Raul Sesin'; 'Eliza Yzaguirre'; 'Noe Saldivar'; 'Nora Cavazos'; jorge.gonzalez@hcdd1.org; Celia Almaguer; Rick Gil; roman.rodriguez@co.hidalgo.tx.us  
**Subject:** Hidalgo County Pct. No. 4 Hoehn Road Area Drainage And Road Improvements

Good Afternoon Billy ,

Please see below for testing request,

Date of Service Requested: 08/05/2016 Friday

Time of Needed Services: 1) 8:30 AM 2) 4:00 PM

Project Name/Location: Hidalgo County Pct. No. 4 Hoehn Road Area Drainage And Road Improvements

Type of Service Requested:

ROAD

1) Compaction Densities for 8" New Caliche from about Sta. 41+00 to Sta. 33+00 , South of Rogers Rd. on Hoehn Rd ( 8:30 AM )

2) Compaction Densities for 8" New Caliche from about Sta. 33+00 to Sta. 27+00 , South of Rogers Rd. on Hoehn Rd ( 4:00 PM )

Note: Testing Time has already been coordinated with Billy Ortiz

**Thank You**

*Jesse Alvarez  
Construction Inspector  
Hidalgo County Engineering Projects Office  
902 Doolittle Rd.  
Edinburg, Texas 78542*

## FIELD DENSITIES TEST REPORT

Project Description: Hoehn Road Area Drainage & Road Imprvts. WA #2  
 Client: Hidalgo County Drainage District No. 1  
 Contractor: Texas Cordia Construction, LLC

L&G Project Number: E871503  
 L&G Report Number: R025  
 Sample Date: 08/05/2016  
 Date Reported: 08/05/2016

Page 1 of 1

<b>Material Description</b>	Base Material		
<b>Required % Proctor</b>	98	<b>Moisture Tolerance</b>	-2+3
	<b>Proctor No</b>	<b>Optimum % Moisture</b>	<b>Opt. Density, LB/CF</b>
	BASE MD6	13.6	115.7

Test No.	Test Location	Proctor No	Moisture Content	Dry Density	Percent Compaction	Depth (inch)
1	Hoehn Rd. Sta. 32+50 & 4ft N. of CL	BASE MD6	12.3%	121.0 pcf	104.6% (Pass)	8"
2	Hoehn Rd. Sta. 30+00 & 4ft N. of CL	BASE MD6	13.1%	117.7 pcf	101.7% (Pass)	8"
3	Hoehn Rd. Sta. 27+00 & 7ft S. of CL	BASE MD6	13.8%	117.4 pcf	101.5% (Pass)	8"

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 Texas Cordia Construction, LLC  
 Attn: Isabel Martinez  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering



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

**Celia Almaguer**

---

**From:** Jesse Alvarez [jose.alvarez@co.hidalgo.tx.us]  
**Sent:** Thursday, August 04, 2016 2:44 PM  
**To:** Billy Ortiz  
**Cc:** 'Raul Sesin'; 'Eliza Yzaguirre'; 'Noe Saldivar'; 'Nora Cavazos'; jorge.gonzalez@hcdd1.org; Celia Almaguer; Rick Gil; roman.rodriguez@co.hidalgo.tx.us  
**Subject:** Hidalgo County Pct. No. 4 Hoehn Road Area Drainage And Road Improvements

Good Afternoon Billy ,

Please see below for testing request,

Date of Service Requested: 08/05/2016 Friday

Time of Needed Services: 1) 8:30 AM 2) 4:00 PM

Project Name/Location: Hidalgo County Pct. No. 4 Hoehn Road Area Drainage And Road Improvements

Type of Service Requested:

1) Compaction Densities for 8" New Caliche from about Sta. 31+00 to Sta. 33+00, South of Rogers Rd. on Hoehn Rd ( 8:30 AM )

ROADS

2) Compaction Densities for 8" New Caliche from about Sta. 33+00 to Sta. 27+00, South of Rogers Rd. on Hoehn Rd ( 4:00 PM )

Note: Testing Time has already been coordinated with Billy Ortiz

Thank You

*Jesse Alvarez  
Construction Inspector  
Hidalgo County Engineering Projects Office  
902 Doolittle Rd.  
Edinburg, Texas 78542*

## FIELD DENSITIES TEST REPORT

Project Description: Hoehn Road Area Drainage & Road Imprvts. WA #2  
 Client: Hidalgo County Drainage District No. 1  
 Contractor: Texas Cordia Construction, LLC

L&G Project Number: E871503  
 L&G Report Number: R026  
 Sample Date: 08/09/2016  
 Date Reported: 08/09/2016

Page 1 of 1

<b>Material Description</b>	Base Material		
<b>Required % Proctor</b>	98	<b>Moisture Tolerance</b>	-2+3
	<b>Proctor No</b>	<b>Optimum % Moisture</b>	<b>Opt. Density, LB/CF</b>
	BASE MD6	13.6	115.7

Test No.	Test Location	Proctor No	Moisture Content	Dry Density	Percent Compaction	Depth (inch)
1	Int. of Hoehn Rd. & Rogers Rd. Sta. 26+50 CL	BASE MD6	11.6%	116.1 pcf	100.3% (Pass)	8"
2	Hoehn Rd. Sta. 22+50 & 10ft W. of CL	BASE MD6	12.7%	119.7 pcf	103.5% (Pass)	8"
3	Hoehn Rd. Sta. 18+00 & 10ft E. of CL	BASE MD6	12.2%	113.7 pcf	98.3% (Pass)	8"

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 Texas Cordia Construction, LLC  
 Attn: Isabel Martinez  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering



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

Celia Almaguer

---

**From:** Jesse Alvarez [jose.alvarez@co.hidalgo.tx.us]  
**Sent:** Tuesday, August 09, 2016 9:25 AM  
**To:** Billy Ortiz  
**Cc:** Raul Segin; Eliza Yzaguirre; Noe Saldivar; jorge.gonzalez@hcdd1.org; Ruben Flores; isaac@texascordia.com; Lydia; Celia Almaguer; Rick Gil  
**Subject:** Re: Hidalgo County Pct. No. 4 Hoehn Road Area Drainage And Road Improvements

2026

Good Morning Billy,  
Please reschedule Testing Request from previous Email below from 11:00 AM To 3:00 PM Today.

Thank You

Jesse Alvarez  
Construction Inspector  
County of Hidalgo Engineering Projects Office  
902 Doolittle Rd.  
Edinburg , Texas 78542  
Office : 956-702-7000 ext 2029  
Mobile:956-533-3992

Sent from my iPhone

On Aug 8, 2016, at 3:21 PM, Jesse Alvarez <jose.alvarez@co.hidalgo.tx.us> wrote:

Good Afternoon Billy ,

Please see below for testing request,

Date of Service Requested: 08/09/2016 Tuesday

Time of Needed Services: 11:00 AM

Project Name/Location: Hidalgo County Pct. No. 4 Hoehn Road Area Drainage And Road Improvements

Type of Service Requested:

1) Compaction Densities for 8" New Caliche from about Sta. 27+00 to Sta. 18+00 , North of Rogers Rd. on Hoehn Rd

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Note: Testing Time has already been coordinated with Billy Ortiz

Thank You

Jesse Alvarez  
Construction Inspector  
County of Hidalgo Engineering Projects Office  
902 Doolittle Rd.  
Edinburg , Texas 78542  
Office : 956-702-7000 ext 2029  
Mobile:956-533-3992

Sent from my iPhone

## FIELD DENSITIES TEST REPORT

Project Description: Hoehn Road Area Drainage & Road Imprvts. WA #2  
 Client: Hidalgo County Drainage District No. 1  
 Contractor: Texas Cordia Construction, LLC

L&G Project Number: E871503  
 L&G Report Number: R027  
 Sample Date: 08/12/2016  
 Date Reported: 08/12/2016

Page 1 of 1

<b>Material Description</b>	Base Mateial		
<b>Required % Proctor</b>	98	<b>Moisture Tolerance</b>	-2+3
	<b>Proctor No</b>	<b>Optimum % Moisture</b>	<b>Opt. Density, LB/CF</b>
	BASE MD6	13.6	115.7

Test No.	Test Location	Proctor No	Moisture Content	Dry Density	Percent Compaction	Depth (inch)
1	Hoehn Rd. Sta. 8+50 & 4ft E. of CL	BASE MD6	12.5%	113.9 pcf	98.4% (Pass)	8"
2	Hoehn Rd. Sta. 12+50 & 3ft W. of CL	BASE MD6	14.6%	118.0 pcf	102.0% (Pass)	8"
3	Hoehn Rd. Sta. 16+50 on CL	BASE MD6	12.1%	119.3 pcf	103.1% (Pass)	8"

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 Texas Cordia Construction, LLC  
 Attn: Isabel Martinez  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering



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

**Celia Almaguer**

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**From:** Jesse Alvarez [jose.alvarez@co.hidalgo.tx.us]  
**Sent:** Friday, August 12, 2016 7:57 AM  
**To:** Celia Almaguer  
**Cc:** 'Raul Sesin'; 'Areanna E. Yzaguirre'; 'Noe Saldivar'; 'Nora Cavazos'; jorge.gonzalez@hcdd1.org; Billy Ortiz; Rick Gil; 'Ruben'; 'Isaac Heredia'  
**Subject:** Hidalgo County Pct. No. 4 Hoehn Road Area Drainage And Road Improvements

Good Afternoon Celia ,

2027

Please see below for testing request,

Date of Service Requested: 08/12/2016 Friday

Time of Needed Services: 04:00 PM

Project Name/Location: Hidalgo County Pct. No. 4 Hoehn Road Area Drainage And Road Improvements

Type of Service Requested:

1) Compaction Densities for 8" New Caliche from about Sta. 18+00 to Sta. 08+00, North of Rogers Rd. on Hoehn Rd

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Note: Testing Time has already been coordinated with Celia

**Thank You**

*Jesse Alvarez  
Construction Inspector  
Hidalgo County Engineering Projects Office  
902 Doolittle Rd.  
Edinburg, Texas 78542*

## FIELD DENSITIES TEST REPORT

Project Description: Hoehn Road Area Drainage & Road Imprvts. WA #2  
 Client: Hidalgo County Drainage District No. 1  
 Contractor: Texas Cordia Construction, LLC

L&G Project Number: E871503  
 L&G Report Number: R028  
 Sample Date: 08/17/2016  
 Date Reported: 08/17/2016

Page 1 of 1

<b>Material Description</b>	Base Material		
<b>Required % Proctor</b>	98	<b>Moisture Tolerance</b>	-2+3
	<b>Proctor No</b>	<b>Optimum % Moisture</b>	<b>Opt. Density, LB/CF</b>
	BASE MD6	13.6	115.7

Test No.	Test Location	Proctor No	Moisture Content	Dry Density	Percent Compaction	Depth (inch)
1	Hoehn Rd. Sta. 2+50 & 6ft W. of CL	BASE MD6	13.0%	119.1 pcf	102.9% (Pass)	8"
2	Hoehn Rd. Sta. 5+00 CL	BASE MD6	13.6%	115.4 pcf	99.7% (Pass)	8"
3	Hoehn Rd. Sta. 8+00 & 5ft E. of CL	BASE MD6	13.6%	119.0 pcf	102.9% (Pass)	8"

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 Texas Cordia Construction, LLC  
 Attn: Isabel Martinez  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering



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

**Celia Almaguer**

---

**From:** Jesse Alvarez [jose.alvarez@co.hidalgo.tx.us]  
**Sent:** Tuesday, August 16, 2016 4:08 PM  
**To:** Billy Ortiz  
**Cc:** Raul Sesin; Areanna E. Yzaguirre; Noe Saldivar; Nora Cavazos; jorge.gonzalez@hcdd1.org; Ruben; Isaac Heredia; Yara M. Corbitt, P. E; Celia Almaguer; Rick Gil  
**Subject:** RE: Hidalgo County Pct. No. 4 Hoehn Road Area Drainage And Road Improvements

Good Afternoon Billy ,

2028

Please Reschedule Testing Request from Previous Email Threads Below as follows ( Weather permitting ),

Date of Service Requested: 08/17/2016 Wednesday

Time of Needed Services: 04:00 PM

Project Name/Location: Hidalgo County Pct. No. 4 Hoehn Road Area Drainage And Road Improvements

Type of Service Requested:

1 ) Compaction Densities for 8" New Caliche from about Sta. 08+50 to Sta. 02+00 , Just South of Monte Cristo Rd.

-  
-  
-  
-  
Note: Testing Time has already been coordinated with Billy Ortiz

**Thank You**

*Jesse Alvarez  
Construction Inspector  
Hidalgo County Engineering Projects Office  
902 Doolittle Rd.  
Edinburg, Texas 78542  
956-292-7000 ext. 2029*

956-533-3992 Mobile  
[jose.alvarez@co.hidalgo.tx.us](mailto:jose.alvarez@co.hidalgo.tx.us)  
County of Hidalgo

**From:** Jesse Alvarez [<mailto:jose.alvarez@co.hidalgo.tx.us>]

**Sent:** Tuesday, August 16, 2016 1:32 PM

**To:** [bortiz@lgengineers.com](mailto:bortiz@lgengineers.com)

**Cc:** Raul Sesin; Areanna E. Yzaguirre; Noe Saldivar; Nora Cavazos; [jorge.gonzalez@hcdd1.org](mailto:jorge.gonzalez@hcdd1.org); Ruben; Isaac Heredia; Yara M. Corbitt, P. E; [calmaguerca@lgengineers.com](mailto:calmaguerca@lgengineers.com); [rgil@lgengineers.com](mailto:rgil@lgengineers.com)

**Subject:** Re: Hidalgo County Pct. No. 4 Hoehn Road Area Drainage And Road Improvements

Good Afternoon Billy,

Please cancel Testing Request from previous Email below due to wet conditions from Rain Event Today.

Thank You

Jesse Alvarez  
Construction Inspector  
County of Hidalgo Engineering Projects Office  
902 Doolittle Rd.  
Edinburg , Texas 78542  
Office : 956-702-7000 ext 2029  
Mobile:956-533-3992

Sent from my iPhone

On Aug 15, 2016, at 4:44 PM, Jesse Alvarez <[jose.alvarez@co.hidalgo.tx.us](mailto:jose.alvarez@co.hidalgo.tx.us)> wrote:

Good Afternoon Billy ,

Please see below for testing request,

Date of Service Requested: 08/16/2016 Tuesday

Time of Needed Services: 04:00 PM

Project Name/Location: Hidalgo County Pct. No. 4 Hoehn Road Area Drainage And Road Improvements

Type of Service Requested:

1) **Compaction Densities for 8" New Caliche** from about Sta. 08+50 to Sta. 02+00, Just South of Monte Cristo Rd.

-  
-  
-  
-  
Note: Testing Time has already been coordinated with Billy Ortiz

**Thank You**

*Jesse Alvarez  
Construction Inspector  
Hidalgo County Engineering Projects Office  
902 Doolittle Rd.  
Edinburg, Texas 78542  
956-292-7000 ext. 2029  
956-533-3992 Mobile  
[jose.alvarez@co.hidalgo.tx.us](mailto:jose.alvarez@co.hidalgo.tx.us)  
County of Hidalgo*

## FIELD DENSITIES TEST REPORT

Project Description: Hoehn Road Area Drainage & Road Imprvts. WA #2  
 Client: Hidalgo County Drainage District No. 1  
 Contractor: Texas Cordia Construction, LLC

L&G Project Number: E871503  
 L&G Report Number: R029  
 Sample Date: 08/23/2016  
 Date Reported: 08/23/2016

Page 1 of 1

<b>Material Description</b>	Base Material		
<b>Required % Proctor</b>	98	<b>Moisture Tolerance</b>	-2+3
	<b>Proctor No</b>	<b>Optimum % Moisture</b>	<b>Opt. Density, LB/CF</b>
	BASE MD6	13.6	115.7

Test No.	Test Location	Proctor No	Moisture Content	Dry Density	Percent Compaction	Depth (inch)
1	Hoehn Rd. Sta. 2+00 & 4ft W. of CL	BASE MD6	12.7%	119.8 pcf	103.5% (Pass)	8"
2	Hoehn Rd. Sta. 0+15 & 2ft E. of CL	BASE MD6	11.6%	117.1 pcf	101.2% (Pass)	8"

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 Texas Cordia Construction, LLC  
 Attn: Isabel Martinez  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering



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

**Celia Almaguer**

---

**From:** Jesse Alvarez [jose.alvarez@co.hidalgo.tx.us]  
**Sent:** Monday, August 22, 2016 3:03 PM  
**To:** Billy Ortiz  
**Cc:** Raul Segin; Eliza Yzaguirre; Noe Saldivar; Nora Cavazos; jorge.gonzalez@hcdd1.org; Ruben Flores; isaac@texascordia.com; Lydia; Rick Gil; Celia Almaguer  
**Subject:** Hidalgo County Pct. No. 4 Hoehn Road Area Drainage And Road Improvements

Good Afternoon Billy ,

2029

Please see below for Testing Request,

Date of Service Requested: 08/23/2016 Tuesday

Time of Needed Services: 09:00 AM

Project Name/Location: Hidalgo County Pct. No. 4 Hoehn Road Area Drainage And Road Improvements

Type of Service Requested:

1) Compaction Densities for 8" New Caliche from about Sta. 02+50 to Sta. 00+00 ( Up to Monte Cristo Rd )

-

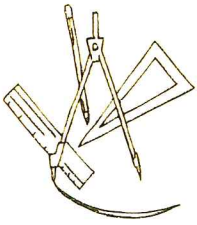
-

-

Note: Testing Time has already been coordinated with Billy Ortiz

Thank You

Jesse Alvarez  
Construction Inspector  
County of Hidalgo Engineering Projects Office  
902 Doolittle Rd.  
Edinburg , Texas 78542  
Office : 956-702-7000 ext 2029



# L&G Consulting Engineers, Inc.

August 26, 2016

RECEIVED  
HIDALGO COUNTY  
DRAINAGE DISTRICT #1

SEP 02 2016

1:05 AM PM

BY: MP

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

**RE: Hoehn Road Area Drainage & Road Improvements  
Construction Materials Testing "On-Call" Contract - Work Authorization #2  
Project No. # E871503**

Dear Mr. Salazar:

Attached for your review and approval is our invoice for the services rendered under Work Authorization #2 on the subject referenced project for the month of August.

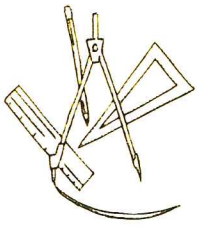
The following is attached:

- L&G's Invoice #16-8-000019
- Test Reports and progress letters as prepared and forwarded to HCDD No. 1 and all parties involved on the project.

Should you have any questions regarding this submittal or would like clarification on any aspect of the project, please do not hesitate to call me at (956) 565-0760.

Sincerely,

\_\_\_\_\_  
Ricardo A. Gil  
General Manager  
Laboratory Operations



# L&G Consulting Engineers, Inc.

---

August 26, 2016

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

SEP 02 2016

1:05 AM (PM)

BY: MAP

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

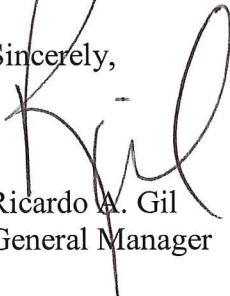
Dear Mr. Salazar:

Included for your use with this letter are test reports **R021 thru R029** for **Construction Materials Testing** performed on the above referenced project. Unless otherwise noted, all test results meet or exceed requirements.

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  
Texas Cordia Construction, LLC



# Hidalgo County Drainage District No. 1

902 North Doolittle Road, Edinburg, TX 78542 Office: 956-292-7080

## Invoice Processing Routing Slip

Invoice/ Backup

Date Received: 8/5/2016

Engineer/Firm Name: Half Associates

Project Name/Number: Former Firing Range Berm WA No. 2

Invoice No.: M214310

Invoice Date: 7/25/2016

Due Date: 9/4/2016

Purchase Order No.: 629455

Amount: \$11,980.71

Total # of Pages Submitted: 4

Attachments:  CD  USB  Plans Other: \_\_\_\_\_

Engineering:

Construction:

Received By: Maria Perez

### Forwarded to:

Nora D. Cavazos \_\_\_\_\_ Date: \_\_\_\_\_

Esther Layton \_\_\_\_\_ Date: \_\_\_\_\_

Claudette Guerrero \_\_\_\_\_ Date: \_\_\_\_\_

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

Lora Briones \_\_\_\_\_ Date: \_\_\_\_\_

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

RECEIVED  
HIDALGO COUNTY  
DRAINAGE DISTRICT #1

AUG 05 2016

4:05 AM (PM)

BY: UAP

**INVOICE**  
**HALFF**

ENGINEERS ARCHITECTS SCIENTISTS PLANNERS SURVEYORS

**REMITTANCE ADDRESS**

**Halff Associates, Inc**  
**P.O. Box 678316**  
**Dallas, TX 75267**  
**www.halff.com**

HIDALGO COUNTY DRAINAGE DISTRICT #1

902 N. DOOLITTLE

EDINBURG, TX 78542

Attention: Mr. Raul Sesin

Invoice Date : 07/25/2016

Invoice # : M214310

Project : 31392

Invoice Group : 02

Client Code : HIDALG

Project Name : HCDD#1\Former Firing Range Berm

For Professional Services Rendered through: 7/10/2016

Re: Engineering Services \ Subsurface Investigation  
Rifle\Handgun Firing Range Project  
TCEQ TRRP Applicability Evaluation & Environmental Remediation  
Edinburg, TX  
Purchase Order#: 629455

\*\* Please contact Maribel Martinez at (956-664-0286)  
with any questions regarding this invoice.

Phase / Task / Name	Fee	Previous Amount	Current Amount	Total Fee Earned	Budget Remaining
WA02 -- TCEQ TRRP Applicabilty& Remediation	151,788.00	3,877.50	11,980.71	15,858.21	135,929.79
<b>Totals:</b>	<b>151,788.00</b>	<b>3,877.50</b>	<b>11,980.71</b>	<b>15,858.21</b>	<b>135,929.79</b>

Project Fee: 151,788.00  
Prior Billings: 3,877.50  
Total Available: 147,910.50

Total this Invoice 11,980.71  
**Amount Due this Invoice 11,980.71**

Phase :WA02 -- TCEQ TRRP Applicabilty& Remediation

Task : \*\*\*\* -- Default Task

Rate Schedule Labor

<u>Class / Employee Name</u>	<u>Date</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
<b>CIVIL-GEN-ASCE GRADE 6</b>				
Robert L. Saenz	06/21/2016	1.00	205.00	205.00
	06/24/2016	1.00	205.00	205.00
	06/27/2016	1.00	205.00	205.00
	06/29/2016	1.00	205.00	205.00
	07/05/2016	1.00	205.00	205.00
		-----		-----
		5.00		1,025.00
<b>GEOLOGIST</b>				
S Kent Belaire	06/07/2016	0.50	205.00	102.50
	06/08/2016	0.50	205.00	102.50
	06/10/2016	1.00	205.00	205.00
	06/17/2016	1.00	205.00	205.00
	06/20/2016	2.50	205.00	512.50
	06/21/2016	2.00	205.00	410.00
	06/22/2016	2.00	205.00	410.00
	06/23/2016	1.00	205.00	205.00
	06/29/2016	1.00	205.00	205.00
		-----		-----
		11.50		2,357.50
<b>GEOLOGIST, GRADE 3</b>				
Austin C. Harrison	06/06/2016	3.00	90.00	270.00
Created boring logs, worked on Mapwork, created Analytical Tables, created background Table				
	06/13/2016	4.00	90.00	360.00
Analyzed Background Results, submitted sample for pH analysis, evaluated Tier II PCL numbers, worked on Tier 1 Eco Checklist, Reviewed Data for report and disposal purposes				
	06/14/2016	4.00	90.00	360.00
Analyzed Background Results, submitted sample for pH analysis, evaluated Tier II PCL numbers, worked on Tier 1 Eco Checklist, Reviewed Data for report and disposal purposes				
	06/15/2016	4.00	90.00	360.00
Analyzed Background Results, submitted sample for pH analysis, evaluated Tier II PCL numbers, worked on Tier 1 Eco Checklist, Reviewed Data for report and disposal purposes				
	06/20/2016	4.00	90.00	360.00
Evaluated TRRP applicability for the arsenic groundwater exceedance.				
	07/01/2016	6.00	90.00	540.00
Coordinated, prepped, and ordered equipment for installation of two monitor wells				
	07/05/2016	8.00	90.00	720.00
Collected Equipment and Drove to Edinburg				
	07/06/2016	8.00	90.00	720.00
Installed and developed MW-02 and MW-03 (monitor wells)				

Phase :WA02 -- TCEQ TRRP Applicabilty& Remediation

Task : \*\*\*\* -- Default Task

Rate Schedule Labor

<u>Class / Employee Name</u>	<u>Date</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
<b>GEOLOGIST, GRADE 3</b>				
Austin C. Harrison	07/07/2016	4.00	90.00	360.00
Low Flowed MW-01, MW-02, and MW-03 for sample collection				
		-----		-----
		45.00		4,050.00
<b>GEOLOGIST, GRADE 5</b>				
Lee E. Beeson	06/28/2016	2.00	120.00	240.00
Go over APAR rqmts for add investigation				
	06/29/2016	2.50	120.00	300.00
Monitor well locations with Ch then discuss with CH and KB				
	07/06/2016	1.00	120.00	120.00
Progress update and questions				
	07/07/2016	2.00	120.00	240.00
Progress update and questions, review scope for assessment				
		-----		-----
		7.50		900.00
<b>PARTY CHIEF</b>				
Adolfo G. Vargas	07/07/2016	1.00	150.00	150.00
<b>Rate Schedule Labor</b>				<b>8,482.50</b>

Regular Expenses

<u>Vendor Name</u>	<u>Doc Nbr</u>	<u>Date</u>	<u>Cost</u>	<u>Multiplier</u>	<u>Amount</u>
<b>Geotech</b>					
EnviroCore, Inc.	199309	06/01/2016	2,090.000	1.100	2,299.00
<b>Testing</b>					
B&A Laboratories, Inc.	199289	06/07/2016	50.000	1.100	55.00
	199888	06/07/2016	50.000	1.100	55.00
	199286	06/09/2016	200.000	1.100	220.00
	199287	06/13/2016	110.000	1.100	121.00
			-----		-----
			410.000		451.00
<b>Materials</b>					
Austin C. Harrison	ER00139557	06/01/2016	6.130	1.100	6.74
Field Supplies from Home Depot - cable saw					
Geotech Environmental	199775	06/15/2016	104.000	1.100	114.40
	199775	06/15/2016	8.580	1.100	9.44
*****WRITE OFF TAX*****					
			-----		-----
			112.580		123.84
<b>Total: Materials</b>					<b>130.58</b>
<b>Meals While Traveling</b>					
Austin C. Harrison	ER00139557	05/31/2016	6.810	1.100	7.49
McDonalds on the drive down to Edinburg, TX					
	ER00139557	06/02/2016	5.500	1.100	6.05
Food from Q-Mart on Drive Back from Edinburg					
			-----		-----
			12.310		13.54





# Hidalgo County Drainage District No. 1

902 North Doolittle Road, Edinburg, TX 78542 Office: 956-292-7080

## Invoice Processing Routing Slip

Invoice/ Backup

Date Received: 9/1/2016

Engineer/Firm Name: L&G Engineering

Project Name/Number: La Joya Watershed Improv. Project WA No. 5

Invoice No.: 11325852

Invoice Date: 8/31/2016

Due Date: 10/1/2016

Purchase Order No.: 626943

Amount: \$10,061.95

Total # of Pages Submitted: 6

Attachments:  CD  USB  Plans Other: \_\_\_\_\_

Engineering:  Construction:

Received By: Maria Perez

### Forwarded to:

Nora D. Cavazos \_\_\_\_\_ Date: \_\_\_\_\_

Esther Layton \_\_\_\_\_ Date: \_\_\_\_\_

Claudette Guerrero \_\_\_\_\_ Date: \_\_\_\_\_

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

Lora Briones \_\_\_\_\_ Date: \_\_\_\_\_

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

**L & G Consulting Engineers Inc**  
**2100 W. Expressway 83**  
**Mercedes, TX 78570**  
**(956)565-9813 Fax (956)565-9018**

**INVOICE#: 11325852**  
**INVOICE DATE: 8/31/2016**

**RECEIVED**  
 HIDALGO COUNTY  
 DRAINAGE DISTRICT #1

**BILL TO:**

Hidalgo County Drainage District#1  
 902 N. Doolittle  
 Edinburg, TX 78542

**JOB:130105**  
**La Joya Watershed Imp**  
**WA#5**  
**PO #625396**

SEP 01 2016

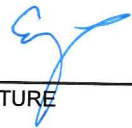
11:31 AM PM

BY: 

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
Engineering services for the month of August 2016.						
16101 - Task 1-Drainage area maps - existing conditions/propose	6,827.76	6,827.76		6,827.76	100.0	-
16102 - Task 2-Hydrologic data/discharge determination	4,426.80	4,426.80		4,426.80	100.0	-
16103 - Task 3-Design Wier of Siphon to circumvent existing HP (	17,894.72	14,171.34	1,933.91	16,105.25	90.0	1,789.47
16104 - Task 4-Culverts Layouts	6,527.64	6,527.64		6,527.64	100.0	-
16105 - Task 5-Determine Impact - Proposed Drainage Plan	3,301.36	3,301.36		3,301.36	100.0	-
16106 - Task 6-Determine and Identify the utility adjustments for th	12,529.92	12,529.92		12,529.92	100.0	-
16107 - Task 7-Summary of Quantities	3,901.60	3,901.60		3,901.60	100.0	-
16108 - Task 8-Specifications, General Notes and Standards for i	9,341.40	9,341.40		9,341.40	100.0	-
61001 - Task 9-Preliminary Design Consultations	7,502.80	7,502.80		7,502.80	100.0	-
61002 - Task 10-Field Observations and Verifications	9,628.60	9,628.60		9,628.60	100.0	-
61003 - Task 11-Exchange of Information with Utility Providers	15,005.60	15,005.60		15,005.60	100.0	-
61004 - Task 12-Confirmation of Property Interests	15,005.60	9,003.36	6,002.24	15,005.60	100.0	-
61005 - Task 13-Develop and execute release of Easements	20,638.97			0.00	0.0	20,638.97
61006 - Task 14-Coordination and Development of Joint Use Agre	10,754.00			0.00	0.0	10,754.00
61007 - Task 15-Utility meetings throughout project development	8,503.20	6,377.40	2,125.80	8,503.20	100.0	-
60000 - ROW Acquisition Administration	35,700.00	33,807.90		33,807.90	94.7	1,892.10
60001 - Title Services	3,600.00	3,600.00		3,600.00	100.0	-
60002 - Appraisal Services	3,000.00	3,000.00		3,000.00	100.0	-
60030-Appraisal Services / SUB	13,500.00	13,500.00		13,500.00	100.0	-
60003 - Appraisal Review	2,100.00	2,100.00		2,100.00	100.0	-
60040 - Appraisal Review / SUB	2,700.00	2,700.00		2,700.00	100.0	-
60004 - Parcel Negotiations	21,000.00			0.00	0.0	21,000.00
60005 - Closing Service Fees	1,200.00			0.00	0.0	1,200.00
<b>TOTALS:</b>	<b>234,589.97</b>	<b>167,253.48</b>	<b>10,061.95</b>	<b>177,315.43</b>	<b>75.6</b>	<b>57,274.54</b>

ORIGINAL CONTRACT SUM \$ 234,589.97  
 CHANGE BY CHANGE ORDER \$ 0.00  
 CONTRACT SUM TO DATE \$ 234,589.97  
 TOTAL COMPLETED TO DATE \$ 177,315.43  
 LESS PREVIOUS INVOICES \$ 167,253.48

PROJECT MANAGER'S SIGNATURE



CURRENT PAYMENT DUE \$ 10,061.95

L&G Consulting Engineers, Inc  
 2100 W. Expressway 83  
 Mercedes, Texas 78570  
 (956) 565-9813

**Project Workhour Report**

La Joya Watershed Improvements WA#5

Reference: Inv#11325852

Date: 8/31/2016

P.O.#626943

	Hrs		Rate	Total
Project Engineer	3.40	X	121.92	\$414.53
Design Engineer	4.50	X	112.55	\$506.48
ROW Administrator	68.00	X	106.29	\$7,227.72
Environmental Scientist/Specialist	0.00	X	78.16	\$0.00
Engineer Tech	13.50	X	75.03	\$1,012.91
CADD Operator/GIS Analyst	0.00	X	65.65	\$0.00
Admin/Clerical	16.00	X	56.27	\$900.32

**Grand Total of Hours**

\$ 10,061.96

(Difference due to rounding hours)

\$ 0.01

**Invoice Summary**

Man Hours

\$ 10,061.95

Right-of-Way Acquisition

\$ -

Sub Contract

\$ -

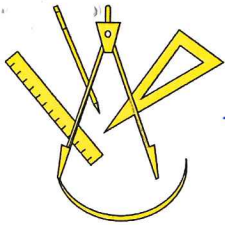
(See Attached Sub Invoice for Man Hour Breakdown)

(Difference due to rounding)

\$ -

**Total Per Invoice Submitted**

**\$ 10,061.95**



# L&G Engineering

Transportation Consultants

September 1, 2016

**RECEIVED**  
HIDALGO COUNTY  
DRAINAGE DISTRICT #1

SEP 01 2016

11:31 AM/PM

BY: MAP

Mr. Raul E. Sesin, P.E. – District Manager  
**Attn: Ms. Lora Briones – Chief Financial Officer**  
 Hidalgo County Drainage District #1  
 902 N. Doolittle  
 Edinburg, Texas 78542

**RE: Work Authorization #5 on La Joya Watershed Improvement Project**  
**Job #130105**  
**P.O. #626943**

Dear Mr. Sesin,

Attached for your review and approval is our progress report for the month of August 2016 on the subject referenced project.

CROSS CULVERTS		% Complete
16101 - Task 1-Drainage area maps - existing conditions/proposed improvements	L&G	100%
<b>Task is complete – see progress report dated 06-01-2015</b>		
16102 - Task 2-Hydologic data/discharge determination	L&G	100%
<b>Task is complete – see progress report dated 06-01-2015</b>		
16103 - Task 3-Design Wier of Siphon to circumvent existing HP Gas Lines	L&G	90%
<p>L&amp;G Engineering has written a letter on behalf of the County, requesting that TxDOT (Texas Department of Transportation) allow the outfall parcels be bought in the name of the state. TxDOT has agreed to accept the parcels in the name of the state. TxDOT has hired Cobb Findley to coordinate the compensable utilities along the outfall north of Expressway 83. Cobb Findley requested that L&amp;G update some of the plan sheets that were previously submitted to TxDOT. L&amp;G sent TxDOT an e-mail requesting that all correspondence, questions, and request between Cobb Findley and L&amp;G be directed through the TxDOT PM. L&amp;G made some of the requested modifications to the sheets, but also found some discrepancies within the information that Cobb Findley provided to L&amp;G. L&amp;G asked that TxDOT review the information that Cobb Findley provided and to compare it to the TIN/DTM files that TxDOT had provided to L&amp;G. TxDOT has of yet not responded to the e-mail that was sent to them.</p>		

16104 - Task 4-Culverts Layouts	L&G	100%
<b>Task is complete – see progress report dated 06-01-2015</b>		
16105 - Task 5-Determine Impact - Proposed Drainage Plan	L&G	100%
<b>Task is complete – see progress report dated 06-01-2015</b>		
16106 - Task 6-Determine and Identify the utility adjustments for the cross-culvert in cord with TxDOT	L&G	100%
<b>Task is complete – see progress report dated 06-01-2015</b>		
16107 - Task 7-Summary of Quantities	L&G	100%
<b>Task is complete – see progress report dated 06-01-2015</b>		
16108 - Task 8-Specifications, General Notes and Standards for inclusion in TxDOT Plans	L&G	100%
<b>Task is complete – see progress report dated 06-01-2015</b>		
COMPENSABLE UTILITIES		
61001 - Task 9-Preliminary Design Consultations	L&G	100%
<b>Task is complete – see progress report dated 10-01-2015</b>		
61002 - Task 10-Field Observations and Verifications	L&G	100%
<b>Task is complete – see progress report dated 06-01-2015</b>		
61003 - Task 11-Exchange of Information with Utility Providers	L&G	100%
L&G Engineering provided the gas companies with the design layouts at the gas line crossings.		
61004 - Task 12-Confirmation of Property Interests	L&G	100%
A pipeline right-of-way and easement agreement was provided to L&G Engineering.		
61005 - Task 13-Develop and execute release of Easements	L&G	0%
This task is ongoing.		
61006 - Task 14-Coordination and Development of Joint Use Agreements	L&G	0%
This task is ongoing.		
61007 - Task 15-Utility meetings throughout project development	L&G	100%
Cobb Fendley has been tasked with completing the compensable utility adjustments		

for this project, as shown in an e-mail that has been received by L&G Engineering. L&G Engineering requested that TxDOT agree in writing(e-mail) that Cobb Fendley is indeed going to complete the final utility coordination. Attended monthly TXDOT utility meeting.		
<b>RIGHT-OF-WAY ACQUISITION</b>		
60000 - ROW Acquisition Administration	L&G	94.7%
Project presence has been established at 900 S. Stewart Road in Mission, Texas 78572 @ L&G Engineering-Transportation Consulting Engineers Right of Way Office. The office is open during normal County and State work hours with available personnel to answer questions about the project. One staff member is a current commissioned notary. Appraisals are complete and have been submitted to the review appraiser. The title commitments continue to be worked on. Negotiations should start in December. <b>No Invoice.</b>		
60001 - Title Services	L&G	100%
<b>This task is now complete.</b>		
60002 - Appraisal Services	L&G	100%
<b>This task is now complete.</b>		
60030 - Appraisal Services / SUB	LGA	100%
<b>This task is now complete.</b>		
60003 - Appraisal Review	L&G	100%
<b>This task is now complete.</b>		
60040 - Appraisal Review / SUB	HLH	100%
<b>This task is now complete.</b>		
60004 - Parcel Negotiations	L&G	0%
<b>NO UPDATE: This task has not begun yet.</b>		
60005 - Closing Service Fees	L&G	0%
<b>NO UPDATE: This task has not begun yet.</b>		

Should you have any questions regarding this submittal or would like clarification on any aspect of the project, please do not hesitate to call me at (956) 585-1909.

Sincerely,

Armando J. Sandoval, P.E.  
Project Manager L&G Engineering



**L&G Engineering**  
 Transportation Consulting Engineers

2100 W. Expressway 83  
 Mercedes, TX 78570  
 Phone: (956) 565-9813  
 Fax: (956) 565-9018  
 Toll Free: (888) 565-9813  
 Firm No. F-4105

900 S. Stewart Rd., Ste. 10  
 Mission, TX 78572  
 Phone: (956) 585-1909  
 Fax: (956) 585-1927  
 Toll Free: (866) 585-1909

# Letter of Transmittal

Mr. Raul E. Sesin, P.E. – Drainage District Manager  
**Attn: Ms. Lora Briones – Chief Financial Manager**  
 Hidalgo County Drainage District #1  
 902 N. Doolittle Rd.  
 Edinburg, Texas 78542

DATE:  
 September 1, 2016

**REF.: Work Authorization #5 on La Joya Watershed Improvement Project**  
 P.O. #626943

**L&G PROJECT NO.:**  
 130105

**TRANSMITTED:**

<input checked="" type="checkbox"/> For Your Use	<input type="checkbox"/> Please comment	<input type="checkbox"/> Approved as Noted
<input type="checkbox"/> As Requested	<input type="checkbox"/> Reply ASAP	<input type="checkbox"/> As Noted Below


**VIA:**

<input type="checkbox"/> US Mail	<input type="checkbox"/> Courier	<input checked="" type="checkbox"/> Hand Carry
<input type="checkbox"/> E-Mail	<input type="checkbox"/> Lonestar Overnight	<input type="checkbox"/> Pick up

COPIES	DESCRIPTION

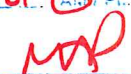
**REMARKS:**  
 Attached is our invoice and progress report for the month of August.

If you have any questions or comments, please feel free to contact me or Mr. Damien B. Tijerina, P.E. at 956-585-1909.

Thank you,  
  
 Armando J. Sandoval, P.E.  
 Project Manager

**RECEIVED**  
 HIDALGO COUNTY  
 DRAINAGE DISTRICT #1

SEP 01 2016

11:31  
 BY: 

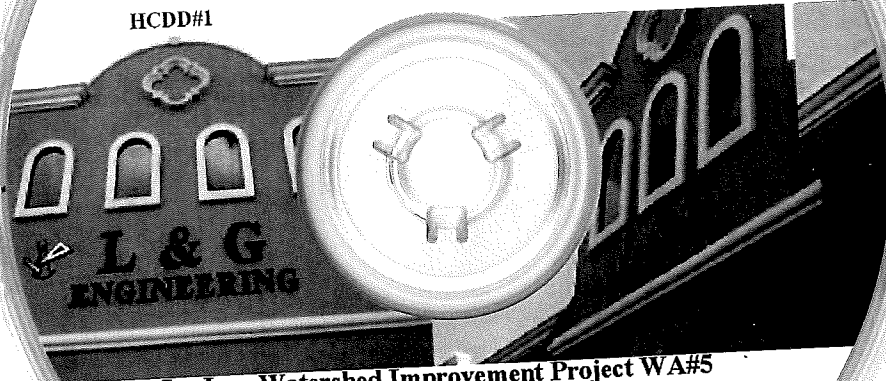
Received By \_\_\_\_\_

**L & G Engineering Electronic Data & CAD Disclaimer**

By opening the attached files, the user agrees that data provided by this electronic file is for information purposes only and should be used at one's own risk. L & G Engineering, makes no representations, written or verbal, that the information contained in these CAD files are complete or accurate or should be relied upon for construction except to the extent that they are labeled, dimensioned or otherwise noted and reflect exactly what is on the approved and sealed preliminary or final drawings. Any conflict between the information reflected on the sealed plan sheets and that provided via this electronic data file shall be resolved in favor of the sealed plan sheets. Any reproduction of these sheets without the appropriate preliminary stamp, or professional engineering seal and signature, and the express written approval of L & G Engineering, is a violation of the Professional Engineering Practice Act.

9/1/2016

HCDD#1



**La Joya Watershed Improvement Project WA#5  
Task 3,11,12,15**

**L & G Engineering**

Highway / Civil  
Structural / Bridge  
Environmental  
Construction Material Testing

900 S. Stewart Rd. Ste 5  
Mission, TX, 79572  
Phone : (956) 585-1909  
Fax : (956) 585-1927



# Hidalgo County Drainage District No. 1

902 North Doolittle Road, Edinburg, TX 78542 Office: 956-292-7080

## Invoice Processing Routing Slip

Invoice/ Backup

Date Received: 8/5/2016

Engineer/Firm Name: Half Associates

Project Name/Number: Former Firing Range Berm, Engineering Services

Invoice No.: M214309

Invoice Date: 7/25/2016

Due Date: 9/4/2016

Purchase Order No.: 628100

Amount: \$1,085.00

Total # of Pages Submitted: 2

Attachments:  CD  USB  Plans Other: \_\_\_\_\_ 5

Engineering:  Construction:

Received By: Maria Perez

### Forwarded to:

- Nora D. Cavazos \_\_\_\_\_ Date: \_\_\_\_\_
- Esther Layton \_\_\_\_\_ Date: \_\_\_\_\_
- Claudette Guerrero \_\_\_\_\_ Date: \_\_\_\_\_
- Jose N. Saldivar \_\_\_\_\_ Date: \_\_\_\_\_
- Lora Briones \_\_\_\_\_ Date: \_\_\_\_\_

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



**REMITTANCE ADDRESS**  
**Halff Associates, Inc**  
**P.O. Box 678316**  
**Dallas, TX 75267**  
**www.halff.com**

**RECEIVED**  
 HIDALGO COUNTY  
 DRAINAGE DISTRICT #1

AUG 05 2016

4:05 AM (PM)

BY: WJP

**HIDALGO COUNTY DRAINAGE DISTRICT #1**  
**902 N. Doolittle**  
**Edinburg, TX 78542**  
**Attention: Mr. Raul Sesein**

**Invoice Date :** 07/25/2016  
**Invoice # :** M214309  
**Project :** 31392  
**Invoice Group :** \*\*  
**Client Code :** HIDALG

**Project Name :** HCDD#1\Former Firing Range Berm

**For Professional Services Rendered through: 7/10/2016**

Re: Engineering Services \ Subsurface Investigation  
 Rifle\Handgun Firing Range Project  
 Edinburg, TX  
 Purchase Order#: 628100

\*\* Please contact Maribel Martinez at (956-664-0286)  
 with any questions regarding this invoice.

Phase / Task / Name	Fee	Previous Amount	Current Amount	Total Fee Earned	Budget Remaining
EA01 -- Environmental Assessment	20,580.00	15,771.49	1,085.00	16,856.49	3,723.51
RE01 -- Reimbursable Expenses	7,300.00	4,336.77	0.00	4,336.77	2,963.23
<b>Totals:</b>	<b>27,880.00</b>	<b>20,108.26</b>	<b>1,085.00</b>	<b>21,193.26</b>	<b>6,686.74</b>

Project Fee: 27,880.00  
 Prior Billings: 20,108.26  
 Total Available: 7,771.74

Total this Invoice 1,085.00  
**Amount Due this Invoice 1,085.00**

Phase :EA01 -- Environmental Assessment

Task : \*\*\*\* -- Default Task

Rate Schedule Labor

<u>Class / Employee Name</u>	<u>Date</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
<b>CIVIL-GEN-ASCE GRADE 6</b>				
Robert L. Saenz	06/20/2016	1.00	205.00	205.00
	06/21/2016	2.00	205.00	410.00
	06/22/2016	1.00	205.00	205.00
	06/23/2016	1.00	205.00	205.00
		----- 5.00		----- 1,025.00
<b>CONTRACTS ADMINISTRATOR</b>				
Maribel M. Martinez	06/23/2016	1.00	60.00	60.00
				<b>Rate Schedule Labor</b>
				<b>1,085.00</b>

Total Task : \*\*\*\* -- Default Task

Labor : 1,085.00  
Expense : 0.00

Total Phase : EA01 -- Environmental Assessment

1,085.00

Total Project: 31392 -- HCDD#1\Former Firing Range Berm

1,085.00