



**CONSENT AGENDA  
DRAINAGE DISTRICT  
BOARD OF DIRECTORS  
April 12, 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being discussed separately unless requested by a Board Member, in which event the item or items will immediately be withdrawn for individual consideration in its normal sequence after the items not requiring separate discussion have been acted upon.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 2013 Bond Series - Mission Inlet - L & G Engineering  
-54082 A. Request approval to pay L & G Engineering for Invoice No. 11325558 in the amount of \$172,231.45 for the PS&E Development of the Mission Inlet Recertification Project, Work Authorization # 5; P.O. No. 628488.  
  
2013 Bond Series - Precinct No. 3 Rural Drainage Development - La Joya WaterShed - L & G Engineering  
B. Request approval to pay L & G. Engineering for Invoice No. 11325560 in the amount of \$9,185.10 for Task A, Construction Plan for Liberty Pit Detention Facility of the La Joya Watershed Imp Project WA No. 4; P.O. No. 625396.  
  
C. Request approval to pay L & G Engineering for invoice No. 11325563 in the amount of \$3,500.64 for the Cross Culvert Design, compensable Utility Adjustment and 6 ROW Parcels to the La Joya Watershed. WA No. 5; P.O. No. 626943.  
  
D. Request approval to pay L & G Engineering for Invoice No. 11325564 in the amount of \$1,491.45 for Work Authorization 6A, to provide Schematic, Right of Way Map, Hydrologic Map and ROW Acquisition of 4 parcels. P.O. 627201.

AI -54082

2.

DRAINAGE - CONSENT

Meeting Date: 04/12/2016

Submitted Lora Briones

Submitted By: Lora Briones, DRAINAGE  
DISTRICT

For:

Department: DRAINAGE DISTRICT

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### Information

#### CAPTION

2013 Bond Series - Mission Inlet - L & G Engineering

A. Request approval to pay L & G Engineering for Invoice No. 11325558 in the amount of \$172,231.45 for the PS&E Development of the Mission Inlet Recertification Project, Work Authorization # 5; P.O. No. 628488.

2013 Bond Series - Precinct No. 3 Rural Drainage Development - La Joya WaterShed - L & G Engineering

B. Request approval to pay L & G. Engineering for Invoice No. 11325560 in the amount of \$9,185.10 for Task A, Construction Plan for Liberty Pit Detention Facility of the La Joya Watershed Imp Project WA No. 4; P.O. No. 625396.

C. Request approval to pay L & G Engineering for invoice No. 11325563 in the amount of \$3,500.64 for the Cross Culvert Design, compensable Utility Adjustment and 6 ROW Parcels to the La Joya Watershed. WA No. 5; P.O. No. 626943.

D. Request approval to pay L & G Engineering for Invoice No. 11325564 in the amount of \$1,491.45 for Work Authorization 6A, to provide Schematic, Right of Way Map, Hydrologic Map and ROW Acquisition of 4 parcels. P.O. 627201.

#### BACKGROUND

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#### Fiscal Impact

#### Attachments

11325560

11325564

11325563

20162676

1132558

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#### Form Review

Inbox

Reviewed By

Date

Budget & Management

Veronica Ortiz

04/08/2016 04:06 PM

Final Approval

Monica Badillo

04/08/2016 04:43 PM

Form Started By: Lora Briones

Started On: 04/07/2016 08:48 AM

Final Approval Date: 04/08/2016



# Hidalgo County Drainage District No. 1

902 North Doolittle Road

Edinburg, Texas 78542

Office: (956) 292-7080

## Invoice Processing Routing Slip

Invoice/ Backup

Date Received: 4/1/2016

Engineer/Firm Name: L&G Engineering

Project Name/Number: La Joya Watershed Imp. Project WA No. 4

Invoice No.: 11325560

Purchase Order No.: 625396

Received By: Rosa Arce

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

Total # of Pages Submitted: 6

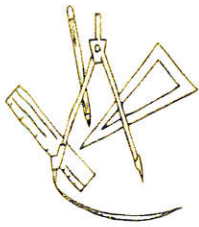
Attachments: CD

Amount: \$9,185.10

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

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

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



# L&G Consulting Engineers, Inc.

April 1, 2016

RECEIVED  
HIDALGO COUNTY  
DRAINAGE DISTRICT #1

APR 01 2016

8:38 AM/PM

BY: *[Signature]*

**Mr. Raul Sesin, P.E. – District Manager**

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

**RE: Work Authorization #4 on La Joya Watershed Improvement Project**

**Job # 130104**

**P.O. # 625396**

Dear Mr. Sesin,

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

The following is attached:

- L&G's Invoice #11325560
- CD w/ Electronic Files of Data for:
  - Task A (Task 7a)
  - Task B (Task 7b)

TASK		% COMPL
<b><u>Task A</u></b> <b>Construction Plans for Liberty Pit Detention Facility</b>		
Task 1a ~ Coordination & Management of ROW and Design Survey, & Geotechnical	L&G	100%
<b>Task Complete</b> – See progress report dated June 1, 2015		
Task 2a ~ (SUB): Field and Design Survey (Utility Locates) - #3 (FC150)	ROW SS	100%
<b>Task Complete</b> – See progress report (#R15-032) from R.O.W. S.S dated May 31, 2015		
Task 3a ~ (SUB): ROW Map, Parcel Sketches & Field Notes - #3 (FC130)	ROW SS	100%
<b>Task Complete</b> – See progress report (#R15-032) from R.O.W. S.S dated May 31, 2015		
Task 4a ~ Acquisition of ROW for Proposed Facility; Negotiation with Land Owner(s)	L&G ROW	92.9%
<b>No Update</b> – See progress report dated December 1, 2015		
Task 5a ~ (SUB): Geotechnical Exploration & Analyses for Proposed Facility - #2	L&G LAB	100.0%
<b>Task Complete</b> – See progress report from L&G Lab dated April 30, 2015		

Task 6a ~ Conceptual Site Plan Identifying 60% of Recovered ROW & Design Surveys (Prior to PS&E Release)	L&G	100.0%
<b>Task Complete</b> – See progress report dated January 2, 2015		
Task 7a ~ Plans, Specifications & Estimates (PS&E) for Proposed Facility & 400ft. Zone for Commercial Development	L&G	95.0%
<b>Update</b> – L&G has completed project development of PS&E including Title Sheet, Overall Project Layout, Grading Plan, Typical Sections, Earthwork Quantities & has included pertinent Design Standards. PS&E pending final review.		
<b><u>Task B</u></b> <b>Construction Plan for South Basin Pit Detention Facility</b>		
Task 1b ~ Coordination & Management of ROW and Design Survey, & Geotechnical	L&G	100%
<b>Task Complete</b> – See progress report dated June 1, 2015		
Task 2b ~ (SUB): Field and Design Survey (Utility Locates) - #3 (FC150)	ROW SS	100%
<b>Task Complete</b> – See progress report (#R15-031) from R.O.W. S.S dated May 31, 2015		
Task 3b ~ (SUB): ROW Map, Parcel Sketches & Field Notes - #3 (FC130)	ROW SS	100%
<b>Task Complete</b> – See progress report (#R15-031) from R.O.W. S.S dated May 31, 2015		
Task 4b ~ Acquisition of ROW for Proposed Facility; Negotiation with Land Owner(s)	L&G ROW	89.6%
<b>No Update</b> – See progress report dated February 1, 2016		
Task 5b ~ (SUB): Geotechnical Exploration & Analyses for Proposed Facility - #2	L&G LAB	100.0%
<b>Task Complete</b> – See progress report from L&G Lab dated April 30, 2015		
Task 6b ~ Conceptual Site Plan Identifying 60% of Recovered ROW & Design Surveys (Prior to PS&E Release)	L&G	100.0%
<b>Task Complete</b> – See progress report dated January 2, 2015		
Task 7b ~ Plans, Specifications & Estimates (PS&E) for Proposed Facility	L&G	95.0%
<b>Update</b> – L&G has completed project development of PS&E including Title Sheet, Overall Project Layout, Grading Plan, Typical Sections, Earthwork Quantities & has included pertinent Design Standards. PS&E pending final review.		
<b><u>Task C</u></b> <b>Phase I Outfall Development of La Joya Watershed Drainage Master Plan</b>		
Task 1c ~ Coordination & Mgmt of ROW Base Map, Design Survey & Geotechnical	L&G	92.6%
<b>No Update</b> – See progress report dated August 3, 2015		

Task 2c ~ (SUB): Design Surveys (Utility Locates) - #3 (FC150)	ROW SS	85.0%
<b>No Update</b> – See progress report (#R15-053) from R.O.W. S.S dated June 30, 2015		
Task 3c ~ (SUB): Geotechnical Exploration & Analyses for Proposed Facility	L&G LAB	100.0%
<b>Task Complete</b> – See Progress Report from L&G Lab dated July 24, 2015		
Task 4c ~ Preliminary Detailed Schematic for Proposed Phase I Outfall	L&G	100.0%
<b>Task Complete</b> – See progress report dated February 2, 2015		
Task 5c ~ Plans, Specifications & Estimates (PS&E) for Proposed Facility	L&G	90.0%
<b>No Update</b> – See progress report dated December 1, 2015		

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#: 11325560**  
**INVOICE DATE: 3/31/2016**

**RECEIVED**  
HIDALGO COUNTY  
DRAINAGE DISTRICT #1

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

**JOB:130104**  
La Joya Watershed Imp  
WA#4  
PO #625396

APR 01 2016  
3:38 AM / PM  
BY: *Rosa Lu*

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
<b>Engineering services for the month of March 2016.</b>						
<b>Task A - Construction Plans for Liberty Pit Detention Facility</b>						
13001-Task 1a - Coord. & Management of ROW & Design Survey	10,704.28	10,704.28		10,704.28	100.0	-
15010-Task 2a - SUB: Field & Design Survey (Utility Locates)	27,168.00	27,168.00		27,168.00	100.0	-
13010-Task 3a - SUB: ROW Map Parcel Sketches & Field Notes	22,400.00	22,400.00		22,400.00	100.0	-
60001-Task 4a - Acquisition of ROW for Proposed Facility	28,100.00	26,115.00		26,115.00	92.9	1,985.00
33010-Task 5a - SUB: Geotech. Exploration & Analysis	27,538.64	27,538.64		27,538.64	100.0	-
11006-Task 6a - Conceptual Site Plan Identify 60% of Recon	11,498.80	11,498.80		11,498.80	100.0	-
16001-Task 7a - Plans, Specification & Estimates (PS&E)	50,384.04	40,317.32	7,528.14	47,845.46	95.0	2,538.58
<b>Task B - Construction Plans for South Basin Pit Detention Facility</b>						
13002-Task 1b - Coord. & Management of ROW & Design Survey	7,928.16	7,928.16		7,928.16	100.0	-
15020-Task 2b - SUB: Field & Design Survey (Utility Locates)	24,935.00	24,935.00		24,935.00	100.0	-
13020-Task 3b - SUB: ROW Map Parcel Sketches & Field Notes	7,488.00	7,488.00		7,488.00	100.0	-
60003-Task 4b - Acquisition of ROW for Proposed Facility	14,800.00	13,260.00		13,260.00	89.6	1,540.00
33320-Task 5b - SUB: Geotech. Exploration & Analysis	21,162.28	21,162.28		21,162.28	100.0	-
11007-Task 6b - Conceptual Site Plan Identify 60% of Recon	8,966.44	8,966.44		8,966.44	100.0	-
16002-Task 7b - Plans, Specification & Estimates (PS&E)	33,589.36	30,241.05	1,656.96	31,898.01	95.0	1,691.35
<b>Task C - Phase I Outfall Development of La Joya Watershed Drainage Master Plan</b>						
13003-Task 1c - Coord. & Management of ROW Base Map, Design	13,030.24	12,067.36		12,067.36	92.6	962.88
15030-Task 2c - SUB: Design Survey (Utility Locates)	67,062.00	57,002.50		57,002.50	85.0	10,059.50
33030-Task 3c - SUB: Geotechnical Exploration & Analysis	29,301.96	29,301.96		29,301.96	100.0	-
11008-Task 4c - Preliminary Detailed Schematic for Proposed	37,866.28	37,866.28		37,866.28	100.0	-
16003-Task 5c - Plans, Specifications & Estimates (PS&E)	200,524.00	180,471.60		180,471.60	90.0	20,052.40
	644,447.48	596,432.67	9,185.10	605,617.77	94.0	38,829.71
<b>TOTALS:</b>	<b>644,447.48</b>	<b>596,432.67</b>	<b>9,185.10</b>	<b>605,617.77</b>	<b>94.0</b>	<b>38,829.71</b>

*[Handwritten Signature]*  
PROJECT MANAGER'S SIGNATURE

ORIGINAL CONTRACT SUM	\$	644,447.48
CHANGE BY CHANGE ORDER	\$	0.00
CONTRACT SUM TO DATE	\$	644,447.48
TOTAL COMPLETED TO DATE	\$	605,617.77
LESS PREVIOUS INVOICES	\$	596,432.67
<b>CURRENT PAYMENT DUE</b>	<b>\$</b>	<b>9,185.10</b>

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

**Project Workhour Report**

La Joya Watershed Improvements WA#4

Reference: Inv# 11325560

Date: 3/31/2016

P.O. #625396

	Hrs		Rate	Total
Senior Project Manager	7.00	X	212.59	\$1,488.13
Senior Engineer	25.00	X	175.07	\$4,376.75
Design Engineer	16.00	X	112.55	\$1,800.80
Senior Engineer Tech	18.00	X	78.16	\$1,406.88
Admin/Clerical	2.00	X	56.27	\$112.54

**Grand Total of Hours**

**\$ 9,185.10**

(Difference due to rounding hours)

\$ -

**Invoice Summary**

Man Hours	<b>\$ 9,185.10</b>
Right-of-Way Acquisition	\$ -
Sub Contract	\$ -
(See Attached Sub Invoice for Man Hour Breakdown)	
	\$ -
(Difference due to rounding)	\$ -
<b>Total Per Invoice Submitted</b>	<b>\$ 9,185.10</b>

**La Joya Watershed Improvement  
Project  
Work Authorization #4**



**Invoice #  
11325560**

**3/31/2016**

**HCDD#1**

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.



**L&G Engineering**  
 Transportation Consulting Engineers

2100 W. Expressway 33 Mercedes, TX 78570  
 Phone: (956) 565-9813 Fax: (956) 365-9018  
 Toll Free: (888) 363-9813 Firm No. F-4105  
 900 S. Stewart Rd., Ste. 10 Mission, TX 78572  
 Phone: (956) 585-1309 Fax: (956) 385-1927  
 Toll Free: (866) 385-1909

# Letter of Transmittal

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

*1 of 6*

DATE:  
 April 1, 2016

**Project: Progress Report & Invoice Package for Various Work Authorizations**  
 Pharr McAllen Drain & South Floodwater Channel Watershed Improvement Project  
 Mission Inlet Recertification Project  
 La Joya Watershed Improvement Project

L&G PROJECT NO.:

*WA #4*  
*WA #5*  
*WA #4*

**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 #4 on Pharr McAllen Drain &amp; South Floodwater Channel               <ul style="list-style-type: none"> <li>○ P.O. #628487, Invoice #11325512 <i>Inv# 11325571</i> <i>CD ✓</i></li> </ul> </li> <li>• Work Authorization #5 on Mission Inlet Recertification Project <i>CD ✓</i> <ul style="list-style-type: none"> <li>○ P.O. #628488, Invoice #11325558</li> </ul> </li> <li>• Work Authorization #4 on La Joya Watershed Improvement Project <i>CD ✓</i> <ul style="list-style-type: none"> <li>○ P.O. #625396, Invoice #11325560 <i>\$9,185.10</i></li> </ul> </li> </ul>

**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**  
 HIDALGO COUNTY  
 DRAINAGE DISTRICT #1

**APR 01 2016**  
**3:38** AM / PM

BY: *Rosa Dew*

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

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



# Hidalgo County Drainage District No. 1

902 North Doolittle Road

Edinburg, Texas 78542

Office: (956) 292-7080

## Invoice Processing Routing Slip

Invoice/ Backup

Date Received:

4/1/2016

Engineer/Firm Name:

L&G Engineering

Project Name/Number:

WA NO. 6A La Joya Watershed

Invoice No.:

11325564

Purchase Order No.:

627201

Received By:

Rosa Arce

Forwarded to:

Nora D. Cavazos  
Claudette Guerrero

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

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

Total # of Pages Submitted:

11

Attachments:

CD

Amount:

\$1,491.45

Forwarded to:

Jose N. Saldivar

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

Forwarded to:

Lora Briones

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

Additional Comments:



**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

1 of 11

DATE:  
April 1, 2016

**REF.: Work Authorization #6A on La Joya Watershed Improvement Project**  
P.O. ~~#626941~~  
627201

**L&G PROJECT NO.:**  
130106

**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	CO
	Inv # 1132 5564
	\$ 1,491.45

**REMARKS:**

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

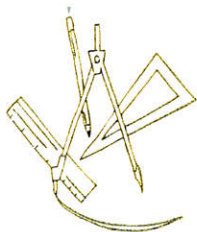
**RECEIVED**  
HIDALGO COUNTY  
DRAINAGE DISTRICT #1

APR 01 2016

10:33 AM / PM

BY: *lee*

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



April 1, 2016

**Mr. Raul Sesin, P.E. – District Manager**

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

**RE: Work Authorization #6A on La Joya Watershed Improvement Project**

**Job # 130106**

**P.O. # 626941**

Dear Mr. Sesin,

Attached for your review is our progress report for the month of December 2015 on the subject referenced project.

The following is attached:

- L & G's Invoice
- CD w/ Electronic Files of Data

		<b>% COMPL</b>
<b>TASK #1 – <u>FC 102 – Feasibility Studies</u></b>		
FC 10201 ~ Preliminary Design Values	L&G	100%
<b>Task is complete – See progress report dated 06-10-2015</b>		
FC 10202 ~ Preliminary Route Location on Uncontrolled Mapping	L&G	100%
<b>Task is complete – See progress report dated 06-10-2015</b>		
FC 10203 ~ Uncontrolled Mapping	L&G	100%
<b>Task is complete – See progress report dated 06-10-2015</b>		
FC 10204 ~ Preliminary Hydrologic Map	L&G	100%
<b>Task is complete – See progress report dated 06-10-2015</b>		
FC 10205~ Preliminary ROW Requirements	L&G	100%
<b>Task is complete – See progress report dated 06-10-2015</b>		
FC 10206~ Preliminary Cost Estimates	L&G	100%
<b>Task is complete – See progress report dated 06-10-2015</b>		

FC 10207 ~ Preliminary Environmental Analysis	L&G	100%
<b>Task is complete – See progress report dated 06-10-2015</b>		
FC 10208 ~ Project Fact Sheet with Est. Local Cost vs. Total Project Cost	L&G	100%
<b>Task is complete – See progress report dated 06-10-2015</b>		
FC 10209 ~ Meetings, Coordination & Support for Project Development	L&G	100%
<b>Task is complete – See progress report dated 06-10-2015</b>		
<b>TASK #2 – <u>FC 110 – Route and Design Studies</u></b>		
FC 11004 ~ Preliminary Cost Estimates	L&G	100%
<b>Task is complete – See progress report dated 06-10-2015</b>		
FC 11005 ~ Design Schematic	L&G	100%
<b>Task is complete – See progress report dated 06-10-2015</b>		
FC 11006 ~ Preliminary ROW Requirements	L&G	100%
<b>Task is complete – See progress report dated 06-10-2015</b>		
<b>TASK #3 - <u>FC 130 – Right-of-Way Data</u></b>		
FC 13008 ~ Coordination and Management of Right-of-Way Data (FC 130) and Field Surveying (FC 150)	L&G	85%
L&G Engineering has been in constant coordination with the Surveyor on determination of the Right-of-way and in receipt of various levels of completion of the Field Surveying. L&G has received a copy of the ROW map. L&G ROW agents have reviewed the ROW Map and have provided comments to ROWSS. The geometry of the ROW map was checked by the engineering staff. <b>No Update.</b>		
FC 13020 ~ ROW Mapping / SUB	ROWSS	60%
<b>See attached progress report from ROWSS dated 9-30-2015</b>		
<b>TASK #4 – <u>FC 150 – Field Surveying</u></b>		
FC 15030 ~ Field Surveying (Control Horizontal and Vertical Ties)	ROWSS	94.2%
<b>See attached progress report from ROWSS dated 9-30-2015</b>		
FC 15040 ~ Determine Topography, Cross Sections and Pot Holing	ROWSS	92.5%
<b>See attached progress report from ROWSS dated 9-30-2015</b>		

FC 15060 ~ Final Reports and Deliverables	ROWSS	65%
<b>See attached progress report from ROWSS dated 9-30-2015</b>		
FC 15070 ~ Project Management and Oversight	ROWSS	65%
<b>See attached progress report from ROWSS dated 9-30-2015</b>		
<b>TASK #5 - <u>FC 161 – Drainage</u></b>		
FC 16101 ~ Hydrologic Map	L&G	100%
<b>Task is complete – See progress report dated 07-2015</b>		
FC 16102 ~ Hydraulic Drainage Study - Culverts	L&G	100%
<b>Task is complete – See progress report dated 07-2015</b>		
FC 16103 ~ Hydraulic Drainage Study - Channels	L&G	100%
<b>Task is complete – See progress report dated 07-2015</b>		
FC 16104 ~ Hydraulic Drainage Study – Irrigation Canals/Siphons	L&G	100%
<b>Task is complete – See progress report dated 09-2015</b>		
FC 16105 ~ Layout, Structural Design and Detailing of Drainage Features - Culverts	L&G	100%
<b>Task is complete – See progress report dated 07-2015</b>		
FC 16106 ~ Layout, Structural Design and Detailing of Drainage Features – Storm Sewers	L&G	100%
<b>Task is complete – See progress report dated 07-2015</b>		
FC 16107 ~ Layout, Structural Design and Detailing of Drainage Features – Outfall Channel(s) Outside of ROW	L&G	100%
<b>Task is complete – See progress report dated 07-2015</b>		

FC 16108 ~ Layout, Structural Design and Detailing of Drainage Features – Summary of Qtys	L&G	100%
<b>Task is complete – See progress report dated 07-2015</b>		
FC 16109 ~ Layout, Structural Design and Detailing of Drainage Features – Storm Water Management Facilities	L&G	100%
<b>Task is complete – See progress report dated 07-2015</b>		
FC 16111 ~ Storm Water Pollution Prevention Plan (SW3P)	L&G	100%
<b>Task is complete – See progress report dated 07-2015</b>		
<b>TASK #6 - <u>FC 163 – Miscellaneous Roadway</u></b>		
FC 16306 ~ Special Utility Details (Irrigation Lines)	L&G	100%
<b>Task is complete – See progress report dated 08-2015</b>		
FC 16307 ~ Miscellaneous Structures	L&G	100%
<b>Task is complete – See progress report dated 07-2015</b>		
FC 16301 ~ Foundation Studies	L&G	100%
<b>Task is complete – See progress report dated 11-02-2015</b>		
FC 16302 ~ Utility Agreements and Exhibits	L&G	95.1%
<p>After about two months of requesting clarification, from the irrigation district, on comments received from the irrigation district L&amp;G finally received a response. The irrigation layouts and bypass structures were updated with the comments that were received from the irrigation district. The completed sheets were scanned and submitted to the irrigation district. L&amp;G has requested that the irrigation district perform a final review of the culvert and bypass layouts to ensure that all of the irrigation district's comments and concerns were addressed. The irrigation district has not responded to the submittal. Several follow up e-mails were sent to the irrigation district and their engineer, and L&amp;G has received no responses to those follow up e-mails from either the irrigation district or their engineer. L&amp;G has completed the bore holes in the area of the irrigation canal (Edinburg Main Canal) and have begun to incorporate the information onto the culvert and bypass layouts for the contractor's</p>		

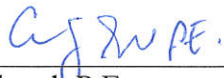
information. Follow up e-mails are being sent to the irrigation district. <b>No Invoice.</b>		
FC 16303 ~ Railroad Sketches	L&G	100%
<b>Task is complete – See progress report dated 06-10-2015</b>		
FC 16304 ~ Traffic Signal Agreement Sketches	L&G	100%
<b>Task is complete – See progress report dated 11-02-2015</b>		
FC 16305 ~ Estimate	L&G	100%
<b>Task is complete – See progress report dated 11-02-2015</b>		
FC 16308 ~ Specifications and General Notes	L&G	100%
<b>Task is complete – See progress report dated 11-02-2015</b>		
<b>TASK #7 - <u>FC 600 – Right-of-Way Acquisition Services – Compensable Utilities</u></b>		
FC 60000 ~ Right of Way Administration Acquisition	L&G	55%
<p>Project presence has been established at 900 S. Stewart Road in Mission, Texas 78572 @ L&amp;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.</p> <p>Coordination for the acquisition continues by meeting with the surveyor, county personnel, TXDOT and Irrigation District. The title commitments have been requested in order to clear title when the acquisition begins. <b>No Invoice.</b></p>		
FC 60001 ~ Title Services	L&G	40%
L&G is now in receipt of two title commitments of the five. Sierra Title has assigned the following GF#'s 3164033 and 3164035.		
FC 60002 – Appraisal Services	L&G	0%
<b>No update</b>		
FC 60003 ~ Appraisal Review	L&G	0%
<b>No update</b>		
FC 60004 ~ Parcel Negotiations	L&G	0%
<b>No update</b>		

FC 60005 ~ Closing Services	L&G	0%
<b>No update</b>		
FC 60030 ~ Appraisal Services / SUB	L&G	0%
<b>No update</b>		
FC 60040 – Appraisal Review / SUB	L&G	0%
<b>No update</b>		
FC 60101 ~ Preliminary Design Consultations	L&G	100%
<b>Task is complete – See progress report dated 11-02-2015</b>		
FC 60102 ~ Field Observations and Verifications	L&G	100%
<b>Task is complete – See progress report dated 11-02-2015</b>		
FC 60103 ~ Exchange of Information with Utility Providers	L&G	90%
Continued exchange of Plans, Profiles and vicinity maps with Enterprise Products regarding 2 conflicts one to the South of US 83 along Chihuahua Rd and another North of US 83. Conducted an onsite meeting with Enterprise field operators to confirm GPS locations of both conflicts. <b>NO UPDATE</b>		
FC 60104 ~ Confirmation of Property Interests	L&G	70%
Meeting with Enterprise Products, 12-01-15. Contact with HCID#1, 12-15-15. <b>NO UPDATE.</b>		
FC 60105 ~ Develop and Execute Release of Easements	L&G	0%
<b>NO UPDATE.</b>		
FC 60106 ~ Coordination and Development of Joint Use Agreements	L&G	100%
<b>Task is complete – See progress report dated 11-02-2015</b>		
FC 60107 ~ Utility Meetings Throughout Project Development	L&G	80%
Updated Mark Waters of Enterprise Products concerning 2 conflicts his company has with US 83 RR. He informed us of that PM Mike Summer would be going down to Valley in the next 3 weeks for a field visit. In a conference call went over with Mike conflict locations North and South of Business 83 and let him know we would make		

ourselves available when he comes into town. Sent out a follow up email to Cynthia Grace that we had not received any proof of property interest regarding gas line crossing Chihuahua Rd. We reviewed letter sent to Commissioner Flores from TxDOT agreeing to develop a CMA to address the 5 gas lines crossing the outfall ditch and drafted a response letter for further clarification of roles and responsibilities.		
---	--	--

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

**INVOICE#:** 11325564  
**INVOICE DATE:** 3/31/2016

**BILL TO:**

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

**JOB:**130106  
**La Joya Watershed Imp**  
**WA#6A P.O #627201**

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
<b>Engineering services for the month of March 2016.</b>						
<b>FC 102 - Feasibility Studies</b>						
10201-Preliminary Design Values	1,575.64	1,575.64		1,575.64	100.0	-
10202-Preliminary Route Location on Uncontrolld Mapping	1,575.64	1,575.64		1,575.64	100.0	-
10203-Uncontrolled Mapping	1,575.64	1,575.64		1,575.64	100.0	-
10204-Preliminary Hydrologic Map	1,575.64	1,575.64		1,575.64	100.0	-
10205-Preliminary ROW Requirements	1,575.64	1,575.64		1,575.64	100.0	-
10206-Preliminary Cost Estimates	1,575.64	1,575.64		1,575.64	100.0	-
10207-Preliminary Environmental Analysis	1,575.64	1,575.64		1,575.64	100.0	-
10208-Proj. Fact Sheet w/Est. Local Cost vs. Total Proj. Cost	1,575.64	1,575.64		1,575.64	100.0	-
10209-Meetings, Coord. & Support for Project Dvlpmnt	1,575.64	1,575.64		1,575.64	100.0	-
<b>FC 110 - Route and Design Studies</b>						
11004-Preliminary Cost Estimates	5,627.30	5,627.30		5,627.30	100.0	-
11005-Design Schematic	8,103.29	8,103.29		8,103.29	100.0	-
11006-Preliminary ROW Requirements	7,503.05	7,503.05		7,503.05	100.0	-
<b>FC 130 - Right-of-Way Data</b>						
13008-Coordination and Management of Right-of-Way Data	6,330.75	5,381.14		5,381.14	85.0	949.61
13020-ROW Map / SUB	11,200.00	6,720.00		6,720.00	60.0	4,480.00
<b>FC 150 - Field Surveying</b>						
15030-Horizontal and Vertical Ties	12,784.00	12,041.00		12,041.00	94.2	743.00
15040-Determine Changes in Topography	30,257.00	27,996.00		27,996.00	92.5	2,261.00
15060-Final Reports	3,364.00	2,186.00		2,186.00	65.0	1,178.00
15070-Project Management Oversight	1,246.00	810.00		810.00	65.0	436.00
<b>FC 161 - Drainage</b>						
16101-Hydrologic Map	7,228.00	7,228.00		7,228.00	100.0	-
16102-Hydraulic Drainage Study - Culverts	5,352.16	5,352.16		5,352.16	100.0	-
16103-Hydraulic Drainage Study - Channels	5,352.16	5,352.16		5,352.16	100.0	-
16104-Hydraulic Drianage Study - Irrigation Canals / Siphons	6,602.72	6,602.72		6,602.72	100.0	-
16105-Layout, Struc. Dsgn and Detail. Drainage Features-Culvert	6,602.72	6,602.72		6,602.72	100.0	-
16106-Layout, Struc. Dsgn and Detail. Drainage Features-Storm S	6,602.72	6,602.72		6,602.72	100.0	-
16107-Layout, Struc. Dsgn and Detail. Drainage Features-Outfall	6,602.72	6,602.72		6,602.72	100.0	-
16108-Layout, Struc. Dsgn and Detail. Drainage Features-Summary	6,602.72	6,602.72		6,602.72	100.0	-
16109-Layout, Struc. Dsgn and Detail. Drainage Features-Storm w	6,602.72	6,602.72		6,602.72	100.0	-
16111-Storm Water Pollution Prevention Plan (SW3P)	7,228.00	7,228.00		7,228.00	100.0	-

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

**INVOICE#:** 11325564  
**INVOICE DATE:** 3/31/2016

**RECEIVED**  
 HIDALGO COUNTY  
 DRAINAGE DISTRICT #1

**BILL TO:**

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

**JOB:**130106  
 La Joya Watershed Imp  
 WA#6A P.O #627201

APR 01 2016  
 10:33 AM PM  
 BY: *lee*

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
<b>FC 163 - Miscellaneous Roadway</b>						
16306-Special Utility Details (Irrigation Lines)	4,301.76	4,301.76		4,301.76	100.0	-
16307-Miscellaneous Structures	4,301.76	4,301.76		4,301.76	100.0	-
16301-Foundation Studies	4,301.76	4,301.76		4,301.76	100.0	-
16302-Utility Agreements and Exhibits	4,301.76	4,089.17		4,089.17	95.1	212.59
16303-Railroad Sketches	4,301.76	4,301.76		4,301.76	100.0	-
16304-Traffic Signal Agreement Sketches	4,301.76	4,301.76		4,301.76	100.0	-
16305-Estimate	4,301.76	4,301.76		4,301.76	100.0	-
16308-Specifications and General Notes	4,301.76	4,301.76		4,301.76	100.0	-
<b>FC 600 - Right-of-Way Acquisition Services</b>						
60000-ROW Acquisition Administration	23,800.00	13,090.00		13,090.00	55.0	10,710.00
60001-Title Services Fees	2,400.00		960.00	960.00	40.0	1,440.00
60002-Appraisal Services Fees	3,000.00			0.00	0.0	3,000.00
60003-Appraisal Services Review Fees	1,400.00			0.00	0.0	1,400.00
60004-Parcel Negotiations	14,000.00			0.00	0.0	14,000.00
60005-Closing Services Fees	800.00			0.00	0.0	800.00
60030-Appraisal Services Fees / SUB	8,000.00			0.00	0.0	8,000.00
60040-Appraisal Review Fees / SUB	1,800.00			0.00	0.0	1,800.00
<b>Compensable Utilities</b>						
60101-Preliminary Design Consultations	5,877.20	5,877.20		5,877.20	100.0	-
60102-Field Observations and Verifications	5,877.20	5,877.20		5,877.20	100.0	-
60103-Exchange of Information with Utility Providers	14,630.48	13,167.44		13,167.44	90.0	1,463.04
60104-Confirmation of Property Interests	14,630.48	10,241.35		10,241.35	70.0	4,389.13
60105-Develop and execute release of Easements	14,630.48			0.00	0.0	14,630.48
60106-Coordination and Development of Joint Use Agreements	6,552.44	6,552.44		6,552.44	100.0	-
60107-Utility meetings throughout project development	5,314.50	3,720.15	531.45	4,251.60	80.0	1,062.90
<b>TOTALS:</b>	<b>322,499.65</b>	<b>248,052.45</b>	<b>1,491.45</b>	<b>249,543.90</b>	<b>77.4</b>	<b>72,955.75</b>

ORIGINAL CONTRACT SUM \$ 322,499.65  
 CHANGE BY CHANGE ORDER \$ 0.00  
 CONTRACT SUM TO DATE \$ 322,499.65  
 TOTAL COMPLETED TO DATE \$ 249,543.90  
 LESS PREVIOUS INVOICES \$ 248,052.45  
 CURRENT PAYMENT DUE \$ 1,491.45

*af*  
 PROJECT MANAGER'S SIGNATURE

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

**Project Workhour Report**

La Joya Watershed Improvements WA#6A  
 Reference: Inv#11325564  
 Date: 3/31/2016  
 P.O.#627201

	Hrs		Rate	Total
Senior Project Manager	0.00	X	212.59	\$0.00
Senior Engineer	0.00	X	175.07	\$0.00
Project Engineer	0.00	X	121.92	\$0.00
ROW Administrator	0.00	X	106.29	\$0.00
Environmental Scientis/Specialist	0.00	X	78.16	\$0.00
Seinior Engineer Tech	0.00	X	78.16	\$0.00
Engineer Tech	0.00	X	75.03	\$0.00
Admin/Clerical	0.00	X	56.27	\$0.00

**Grand Total of Hours**

\$	-
----	---

(Difference due to rounding hours)

\$	-
----	---

**Invoice Summary**

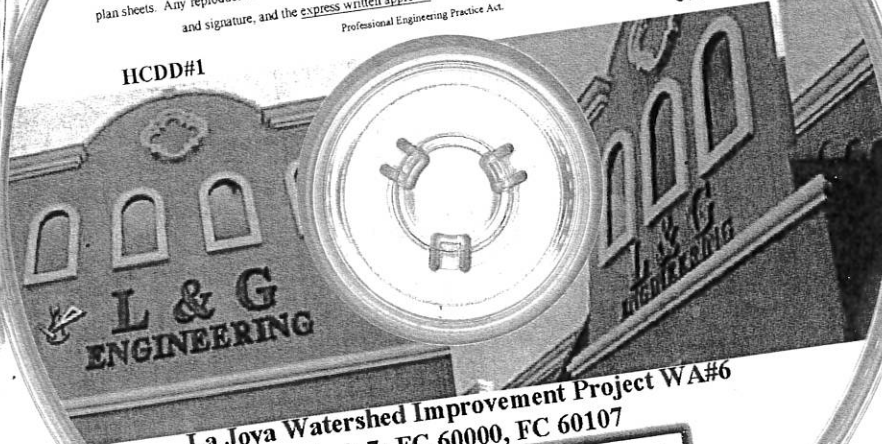
Man Hours	\$	-
Right-of Way Acquisitions	\$	1,491.45
Sub Contract	\$	-
<small>(See Attached Sub Invoice for Man Hour Breakdown)</small>		
<b>Total Per Invoice Submitted</b>	<b>\$</b>	<b>1,491.45</b>

**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.

3/31/2016

HCDD#1



**La Joya Watershed Improvement Project WA#6**  
**Task 7: FC 60000, FC 60107**

**L & G Engineering**  
Highway / Civil  
Structural / Bridge  
Environmental  
Construction Material Testing

900 S. Stewart Rd. Sta 5  
Mission, TX. 78572  
Phone : (956) 585-1909  
Fax : (956) 585-1927



# Hidalgo County Drainage District No. 1

902 North Doolittle Road

Edinburg, Texas 78542

Office: (956) 292-7080

## Invoice Processing Routing Slip Invoice/ Backup

Date Received: 4/1/2016

Engineer/Firm Name: L&G Engineering

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

Invoice No.: 11325563

Purchase Order No.: 626943

Received By: Rosa Arce

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

Total # of Pages Submitted: 7

Attachments: CD

Amount: \$3,500.64

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

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

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



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

*1 of 7*

DATE:  
 April 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
1	CO
	INV # 11325503
	\$3,500.00

**REMARKS:**

Attached is our invoice and progress report for the month of March.

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,

*A. J. Sandoval*  
 Armando J. Sandoval, P.E.  
 Project Manager

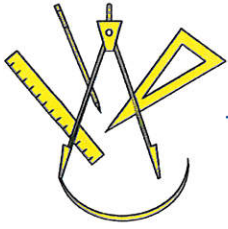
**RECEIVED**  
 HIDALGO COUNTY  
 DRAINAGE DISTRICT #1

APR 01 2016

10:33 AM / PM

BY: *llw*

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



# L&G Engineering

Transportation Consultants

April 1, 2016

Mr. Raul E. Segin, 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. Segin,

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

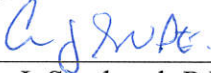
CROSS CULVERTS		% Complete
16101 - Task 1-Drainage area maps - existing conditions/proposed improvements	L&G	100%
<b>Task is complete – see progress report dated 06-01-2015</b>		
16102 - Task 2-Hydologic data/discharge determination	L&G	100%
<b>Task is complete – see progress report dated 06-01-2015</b>		
16103 - Task 3-Design Wier of Siphon to circumvent existing HP Gas Lines	L&G	79.2%
L&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. By doing this the state would then be responsible for all compensable utilities located along the outfall ditch. If TxDOT does not agree to accept the outfall parcels in the name of the state, an alternate design is being looked at to avoid impacting the 5 compensable utilities (gas lines) located on the outfall ditch. A siphon is being looked at that would go underneath all 5 compensable gas lines thus eliminating the need for any of the utilities being adjusted. <b>No Invoice</b>		
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%
Work on an additional design to mitigate the impact to the five gas lines that are crossing the proposed outfall ditch, is on going. L&G has expressed to the gas lines that there is a possibility that a new design will be sent to the utility companies in the near future, for them to review/comment on/approve. <b>No Invoice.</b>		
61004 - Task 12-Confirmation of Property Interests	L&G	60%
Met with Enterprise Products, 12-01-15. Made contact with District for progress on agenda items, 12-03-15. Contact with Hilcorp, 12-10-15. Contact with Energy Transfer, 12-11-15, 12-14-15, 12-16-15. Contact with Kinder-Morgan, 12-14-15. Contact with NuStar, 12-14-15, 12-15-15. <b>NO UPDATE.</b>		
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	70%
Updated Mark Waters of Enterprise Products concerning 2 conflicts his company has		

with US 83 RR. He informed us of that PM Mike Summer would be going down to Valley in the next 3 weeks for a field visit. In a conference call went over with Mike conflict locations North and South of Business 83 and let him know we would make ourselves available when he comes into town. Sent out a follow up email to Cynthia Grace that we had not received any proof of property interest regarding gas line crossing Chihuahua Rd. We reviewed letter sent to Commissioner Flores from TxDOT agreeing to develop a CMA to address the 5 gas lines crossing the outfall ditch and drafted a response letter for further clarification of roles and responsibilities.		
<b>RIGHT-OF-WAY ACQUISITION</b>		
<b>60000 - ROW Acquisition Administration</b>	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>		
<b>60001 - Title Services</b>	L&G	100%
To date Sierra Title has provided L&G with 6 title commitments. The 3 remaining commitments have been delivered. This task is now complete.		
<b>60002 - Appraisal Services</b>	L&G	100%
L&G Engineering is in receipt of the following appraisal reports from Leonel Garza, Jr. & Associates, parcels 22E pt 1 and pt 2, 27E pt 1 and pt 2, 28E, 37E, 39E & 36E.		
<b>60030 - Appraisal Services / SUB</b>	LGA	100%
The office Leonel Garza, Jr. & Associates has submitted the following appraisal reports parcels 22E pt 1 and pt 2, 27E pt 1 and pt 2, 28E, 37E, 39E & 36E.		
<b>60003 - Appraisal Review</b>	L&G	100%
The reviewer has submitted all 6 reviews - 22E pt 1 and pt 2, 27E pt 1 and pt 2, 28E, 37E, 39E & 36E.		
<b>60040 - Appraisal Review / SUB</b>	HLH	100%
The reviewer has submitted all 6 reviews - 22E pt 1 and pt 2, 27E pt 1 and pt 2, 28E, 37E, 39E & 36E.		
<b>60004 - Parcel Negotiations</b>	L&G	0%
<b>NO UPDATE: This task has not begun yet.</b>		
<b>60005 - Closing Service Fees</b>	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 Consulting Engineers Inc**  
**2100 W. Expressway 83**  
**Mercedes, TX 78570**  
**(956)565-9813 Fax (956)565-9018**

**INVOICE#: 11325563**  
**INVOICE DATE: 3/31/2016**

**RECEIVED**  
 HIDALGO COUNTY  
 DRAINAGE DISTRICT #1

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

**APR 01 2016**  
**10:33** AM/PM  
 BY: *lew*

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

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
Engineering services for the month of March 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		14,171.34	79.2	3,723.38
16104 - Task 4-Culverts Layouts	6,527.64	6,527.64		6,527.64	100.0	-
16105 - Task 5-Derermine Impact - Proposed Drainage Plan	3,301.36	3,301.36		3,301.36	100.0	-
16106 - Task 6-Detemine 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		9,003.36	60.0	6,002.24
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	4,251.60	1,700.64	5,952.24	70.0	2,550.96
60000 - ROW Acquisition Administration	35,700.00	33,807.90		33,807.90	94.7	1,892.10
60001 - Title Services	3,600.00	1,800.00	1,800.00	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>163,327.68</b>	<b>3,500.64</b>	<b>166,828.32</b>	<b>71.1</b>	<b>67,761.65</b>

**ORIGINAL CONTRACT SUM** \$ 234,589.97  
**CHANGE BY CHANGE ORDER** \$ 0.00  
**CONTRACT SUM TO DATE** \$ 234,589.97  
**TOTAL COMPLETED TO DATE** \$ 166,828.32  
**LESS PREVIOUS INVOICES** \$ 163,327.68

PROJECT MANAGER'S SIGNATURE

**CURRENT PAYMENT DUE** \$ 3,500.64

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#113255563

Date: 3/31/16

P.O.#626943

	Hrs		Rate	Total
Project Engineer	0.00	X	121.92	\$0.00
Design Engineer	0.00	X	112.55	\$0.00
ROW Administrator	0.00	X	106.29	\$0.00
Environmental Scientist/Specialist	0.00	X	78.16	\$0.00
Engineer Tech	0.00	X	75.03	\$0.00
CADD Operator/GIS Analyst	0.00	X	65.65	\$0.00
Admin/Clerical	0.00	X	56.27	\$0.00

**Grand Total of Hours**

\$	-
----	---

(Difference due to rounding hours)

\$	-
----	---

**Invoice Summary**

Man Hours	\$	-
Right-of-Way Acquisition	\$	3,500.64
Sub Contract	\$	-

(See Attached Sub Invoice for Man Hour Breakdown)

(Difference due to rounding)

\$	-
----	---

**Total Per Invoice Submitted**

\$	3,500.64
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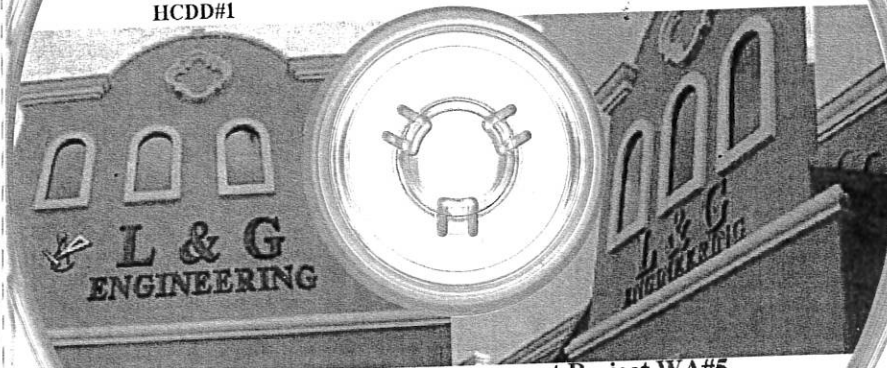
L & G Engineering Electronic Data & CAD Disclaimer

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.

3/31/2016

HCDD#1



La Joya Watershed Improvement Project WA#5  
Task 15: FC 60000

**L & G Engineering**

Highway / Civil  
Structural / Bridge  
Environmental  
Construction Material Testing

900 S. Stewart Rd. Ste 5  
Mission, TX. 78572  
Phone : (956) 545-1909  
Fax : (956) 545-1927



# Hidalgo County Drainage District No. 1

902 North Doolittle Road

Edinburg, Texas 78542

Office: (956) 292-7080

## Invoice Processing Routing Slip

Invoice/ Backup

Date Received: 3/22/2016

Engineer/Firm Name: TEDSI

Project Name/Number: LRGVRWMP- Legal

Invoice No.: 20162676

Purchase Order No.: 623665

Received By: Rosa Arce

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

Total # of Pages Submitted: 23

Attachments: CD

Amount: \$2,085.00

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

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

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



**TEDSI INFRASTRUCTURE GROUP**

**TEDSI**

*Consulting Engineers*  
1201 E. Expressway 83 ♦ Mission, Texas 78572  
(956) 424-7898

Letter of  
Transmittal

TO:

Mr. Noe Saldivar  
Hidalgo County Drainage District No. 1  
902 N. Doolittle Road  
Edinburg, Texas 78539

DATE:

March 17, 2016

REF.:

*LRGV Rump Legal*  
~~Delta Watershed Legal Water Rights Project January thru February Invoice~~

TEDSI PROJECT NO.:

2013-1128-12

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 type="checkbox"/> Hand Carry |
| <input type="checkbox"/> E-Mail  | <input checked="" type="checkbox"/> LoneStar Overnight | <input type="checkbox"/> FedEx      |

COPIES

DESCRIPTION

- |   |   |
|---|---|
| 1 | TEDSI Invoice No. 20162676 for Project No. 2013-1128-12 ✓ |
| 1 | CD Digital Backup ✓                                       |
|   |   |
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REMARKS:

Thank you,

**RECEIVED**  
HIDALGO COUNTY  
DRAINAGE DISTRICT #1

**MAR 22 2016**

*3:54* AM (PM)  
BY: *Rosa*

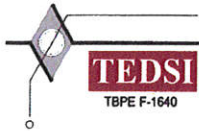
Signed: \_\_\_\_\_

*for: Clay*

Mark W. Lupter, P.E., RPLS

MAR 22 2016

354 AM/PM  
BY: Rosa Lew



**TEDSI INFRASTRUCTURE GROUP**

*Consulting Engineers*  
1201 East Expressway 83 + Mission, Texas 78572  
Tel: (956) 424-7898  
Fax: (956) 424-7022

March 16, 2016  
Project No: 2013-1128-12  
Invoice No: 20162676

Ms. Claudette Guerrero  
Hidalgo County Drainage District No. 1  
902 North Doolittle Road  
Edinburg, TX 78542

Project 2013-1128-12 Lower Rio Grande Valley Regional Water Management Program – Legal  
**Precinct No. 1 - 2012 Bond Referendum**  
Account No. 13-133-433-360-43340-010-000  
P.O. No. 623665


**Professional Services from January 01, 2016 to February 29, 2016**

Phase	200	Water Rights - BBS, PC			
<b>Consultants</b>					
Reimbursable Consultants Expense					
2/29/2016	Beatty Bangle Strama, PC	Invoice No. 18758	1,050.00		
2/29/2016	Beatty Bangle Strama, PC	Invoice No. 18647	975.00		
	<b>Total Consultants</b>		<b>2,025.00</b>		<b>2,025.00</b>
			<b>Total this Phase</b>		<b>\$2,025.00</b>

Phase	300	Water Rights - BHDA, LLP			
<b>Consultants</b>					
Reimbursable Consultants Expense					
2/29/2016	Bickerstaff Heath Delgado Acosta LLP	Invoice No. 100050	60.00		
	<b>Total Consultants</b>		<b>60.00</b>		<b>60.00</b>
			<b>Total this Phase</b>		<b>\$60.00</b>

<b>Billing Summary</b>		<b>Current</b>	<b>Prior</b>	<b>To-Date</b>	
Total Billings		2,085.00	183,266.05	185,351.05	
Total Fee				206,463.14	
Remaining Fee				21,112.09	
			<b>Total this Invoice</b>		<b>\$2,085.00</b>

**PLEASE REMIT PAYMENT TO:**  
TEDSI Infrastructure Group, Inc.  
738 Highway 6 South, Suite 430  
Houston, Texas 77079

Authorized By:  Date: 3.16.16  
Mark W. Luper, P.E., RPLS  
Executive Vice President



**BBS** BEATTY  
BANGLE  
STRAMA PC

January 29, 2016

Jesse Salinas  
TEDSI Infrastructure Group  
1201 East Expressway 83  
Mission, TX 78572

Invoice No.18647

In Reference To: *Hidalgo County Delta Watershed Project and Hidalgo County Drainage District No. 1*

Professional Services

		<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
01/11/16	ELIII Water brief	3.00	300.00/hr	900.00
01/19/16	ELIII Correspondence regarding pending amendment to 2012 state plan and status of TCEQ approval.	0.25	300.00/hr	75.00
For professional services rendered			3.25	\$975.00

Previous balance \$900.00

Accounts receivable transactions

2/2/2016 Payment - Thank You(No. 50526) (\$900.00)

Balance due \$975.00

**TEDSI INFRASTRUCTURE GROUP**  
 Project No. 2013-1128-12 Phase No. 200  
 Lump Sum  Approved  Hold  
 Hourly  Rejected  Process  
 Sign MWL Date 3/16/16

400 West 15th Street | Suite 1450 | Austin, Texas 78701

T (512) 879-5050 | F (512) 879-5040 | bbsfirm.com



**BBS** BEATTY  
BANGLE  
STRAMA pc

February 29, 2016

Jesse Salinas  
TEDSI Infrastructure Group  
1201 East Expressway 83  
Mission, TX 78572

Invoice No. 18758

In Reference To: *Hidalgo County Delta Watershed Project and Hidalgo County  
Drainage District No. 1*

Professional Services

	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
02/08/16 ELIII Call with TWDB.	0.50	300.00/hr	150.00
02/10/16 ELIII Water brief	3.00	300.00/hr	900.00
For professional services rendered	3.50		\$1,050.00

Previous balance \$975.00

Balance due \$2,025.00

<u>Current</u>	<u>30 Days</u>	<u>60 Days</u>	<u>90 Days</u>	<u>120+ Days</u>
\$1,050.00	\$975.00	\$0.00	\$0.00	\$0.00

**TEDSI INFRASTRUCTURE GROUP**  
 Project No. 2013-1128-12 Phase No. 200  
 Lump Sum    Approved    Hold  
 Hourly    Rejected    Process  
 Sign MWZ Date 3/16/16

400 West 15th Street | Suite 1450 | Austin, Texas 78701

T (512) 879-5050 | F (512) 879-5040 | bbsfirm.com

January 2016

**Via Electronic Mail**

Mark Lupher  
TEDSI Infrastructure Group  
1201 East Expressway 83  
Mission, TX 78572

Re: January 2016 Water Brief

Please allow the following information to serve as a resource regarding some of the water issues trending in Texas. It is not a comprehensive summary. Its purpose is to provide information that may be of interest to water stakeholders in our region at this time. In addition, the information provided is only basic information regarding the subject matter herein. Additional information regarding any of the subject matters discussed below is available upon request. This is a work product of Beatty Bangle Strama PC and is intended for the sole use of the firm's clients. Before taking any action in reliance on the information included herein, we ask that you personally consult with an attorney from our firm.

**Clean Water Rule Litigation**

The Natural Resources Defense Council ("NRDC"), Michigan Farm Bureau and National Wildlife Federation ("NWF") were denied by an Ohio federal judge from intervening in litigation over the changes proposed by the EPA to the Clean Water Act. The basis for the judge's ruling was that the petitioners' interests are already clearly represented by the parties currently involved in the case. "Although the farm bureau and the environmental groups have argued that they might present arguments different from those that the existing parties would present, neither of the proposed interveners has identified a distinct argument that might advance," the judge said. "Given that the farm bureau and the environmental groups share nearly identical interests, and arguments, with the existing parties, permitting those groups to intervene would unnecessarily complicate this case and delay the proceedings."

In its effort to intervene, the farm bureau argued that its interests cannot be adequately protected by any other governmental party to the litigation because "the other parties are not primarily concerned with the rule's impact on the farming industry within Michigan."<sup>1</sup>

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<sup>1</sup> Information derived from Law360 Article "*Farm Group And Enviro Sidelined In Clean Water Rule Suit*"

The NWF and the NRDC, who argue that the rule doesn't go far enough in identifying water to be protected under the CWA, argued that they should be permitted to intervene because they may have different positions than the federal government and may not approve of a future settlement between the current parties.

This decision limits the number of individual parties who will be allowed to directly participate in the lawsuit, which will set a precedent for similar lawsuits being litigated in other federal court jurisdictions.

### **House Natural Resources Interim Hearing**

The House Committee on Natural Resources held an interim hearing to discuss the future of water marketing in Texas. Water marketing refers to the sale and movement of water from one area to another. Historically, a proposal for a project to move water from one area for use in another has been met with adamant opposition from the stakeholders in the area of the waters' origin. These stakeholders have argued that "their" water must be protected and conserved for future growth. Over time however, many of these rural areas that are rich in water have either experienced no growth or a loss of their population. Their argument that water should not be moved out of their area because of a need to conserve for the future is weakened with the trend in population loss. In addition, groundwater is considered a property right in Texas, which has recently been strengthened by various court cases. Water marketing advocates argue that this property right should allow the owner to sell and market this right as they so choose. Pumping can be limited by groundwater conservation districts, however this limitation cannot be discriminatory against landowners seeking permits to pump water for use outside the groundwater conservation district boundaries.

The committee is tasked with studying the viability of establishing a water grid in Texas similar to our electrical grid infrastructure. A bill to that would have created a study on this issue failed to pass the 84<sup>th</sup> legislative session. The fight over these type of proposals typically pits rural lawmakers against urban lawmakers. The motivation behind these proposals centers on lawmakers' concern with accommodating the very rapidly growing population in Texas' urban areas.

It was stated at the committee that the ultimate goal should be to strike a balance between maintaining enough water in the area of origin for environmental conservation and growth, and developing a plan to provide opportunities to market this resource to other parts of the state that are booming with population and desperately need water. The committee will spend the period before next legislative session looking at opportunities for incentives from areas receiving water to areas providing water that could benefit each area and the state as a whole.<sup>2</sup>

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<sup>2</sup> Information derived from Austin American Statesman article "With water issues on tap, House committee looks at statewide solutions"

### **Lasting Effects from Texas Drought**

In a Business Wire article, Fitch Ratings, the international bond ratings agency, states that despite the end of the severe drought in Texas, the state's water and sewer utilities will continue to see an impact. "The lessons and momentum that the dry spell left on political leaders, water suppliers and consumers will have lasting effects on the sector," says Gabriela Gutierrez, Director. "While Texas typically experiences dry spells, the most recent drought stretched for four long years and heightened the urgency to ensure adequate water supplies are available to sustain a prosperous economy." As of January 2016, 95% of Texas was drought-free, compared with just 34% the year prior; reservoirs are now 85% full, up from 63% in early 2015.

Recent wet weather from El Nino combined with continued focus on conservation is likely to curb water consumption. As a result, water suppliers will see a decline in revenues. It is highly likely that suppliers will need to raise prices in order to meet their current financial demands while at the same time planning and financing infrastructure projects that are needed to keep pace with growth. The lost in revenues impacts the suppliers bond ratings and their ability to financing need infrastructure projects. In addition, each time suppliers propose to raise rates they are met with adamant opposition from rate payers resulting in a hesitancy to raise rates. Fitch is concerned that surplus revenues have not been sufficient enough to maintain existing assets. Given the added challenge of updating aging infrastructure, utilities will be increasingly reliant on borrowable resources for funding. These issues highlight the need for utilities to establish master plans and integrate these plans into the State Water Plan with the Texas Water Development Board so that policy makers and appropriates have a clear picture of Texas' water needs.<sup>3</sup>

### **TCEQ Graywater**

"House Bill (HB) 1902, 84<sup>th</sup> Texas Legislature (201), amended Texas Health and Safety Code (THSC) Chapters 341 and 366 and Texas Water Code (TWC) Chapter 26 in relation to the use of graywater.

The bill requires the TCEQ to develop standards to allow the re-use of graywater for toilet and urinal flushing. The bill also creates a new regulatory classification for "alternative onsite water" which is defined as "rainwater, air-conditioning condensate, foundation drain water, storm water, cooling tower blowdown, swimming pool backwash and drain water, reverse osmosis reject water, or any other sources of water considered appropriate by the Commission." The bill directs the TCEQ to develop similar standards for the re-use of this new source of water similar to graywater.

---

<sup>3</sup> Information acquired from Business Wire article "*Fitch: Texas Drought Leaves a Lasting Impact on Water/Sewer Utilities*"

The TCEQ has drafted language that amends 30 TAC Chapters 210 and 285 to implement HB 1902. The draft rules are available for informal stakeholder review and comment. The TCEQ will not provide a response to the informal comments; however the comments will be used to finalize the draft rules. The draft rule language can be found at: [www.tceq.texas.gov/permitting/wastewater/graywater/](http://www.tceq.texas.gov/permitting/wastewater/graywater/). Comments will be accepted through Feb. 29, 2016, and may be submitted by e-mail to: [Laurie.Fleet@tceq.texas.gov](mailto:Laurie.Fleet@tceq.texas.gov).<sup>4</sup>

### **TCEQ Rulemaking Spill Reporting**

“On Jan 20, 2016, TCEQ commissioners approved publication of rulemaking implementing Senate Bill (SB) 912, 84<sup>th</sup> Legislature, related to volume-based exemptions from reporting requirements for certain accidental discharges or spills from wastewater treatment facilities or collections systems.”<sup>5</sup> “The proposed rulemaking will allow any single, accidental discharge or spill of treated or untreated domestic wastewater that occurs at a wastewater treatment or collection system owned or operated by a local government to be reported to the TCEQ monthly, as a summary of spills, provided the following conditions are met:

- The spill volume is 1,000 gallons or less;
- It is not associated with another accidental discharge or spill;
- It is controlled or removed before entering water in the state;
- It does not adversely affect a public or private source of drinking water;
- It will not endanger human health or safety or the environment; and
- It is not otherwise subject to local regulatory control and reporting requirements

Additionally, the proposed rules require the owner or operator of the facility or collection system to use one of three standard methods in the proposed rule when calculating the volume of a discharge or spill. The proposed rules will also implement SB 912 by requiring the TCEQ to consider the compliance history of the individual and to establish procedures for formatting and submission of the monthly summary (including location, volume, and content of each accidental discharge or spill that occurred during the preceding month).<sup>6</sup> To obtain a copy of the proposed rule, visit the TCEQ website at: <https://www.tceq.texas.gov/rules/prop.html>. For more information on providing comments to the TCEQ, visit their website at: <https://www.tceq.texas.gov/about/comments.html>.

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<sup>4</sup> Information acquired from TCEQ *The Advocate* publication article “TCEQ Seeking Stakeholder Input for Graywater Rulemaking”

<sup>5</sup> Information acquired from TCEQ *The Advocate* publication article “TCEQ Proposes New Rules for Accidental Discharges or Spills at Wastewater Treatment or Collection Systems”

<sup>6</sup> *i.e.*

**Miscellaneous**

Congressman Vela will host a RESTORE Act event on Thursday, Feb 18, 2016, from 1:30pm to 4:00pm that will include an application workshop. This event will be held at the Hilton Garden Inn, located at 7010 Padre Island in South Padre Island, Texas. Applications for RESTORE Direct Component (Bucket 1) grants must be submitted to <http://www.restorethetexascoast.org/> no later than 5:00pm on Friday, April 15, 2016.

[http://www.law360.com/environmental/articles/756465?nl\\_pk=f062d438-c54c-4110-b811-53ce77d55810&utm\\_source=newsletter&utm\\_medium=email&utm\\_campaign=environmental](http://www.law360.com/environmental/articles/756465?nl_pk=f062d438-c54c-4110-b811-53ce77d55810&utm_source=newsletter&utm_medium=email&utm_campaign=environmental) article about a ex public water systems operator getting sentenced to 3 years prison for falsifying testing results.

<http://apps.texastribune.org/reservoirs/> this is a link to an interactive website that provides up to date information on reservoir levels in Texas.

Attached please find “*Texas Water Update*” policy brief published by Central Texas Water Coalition.

[http://www.law360.com/environmental/articles/753894?nl\\_pk=f062d438-c54c-4110-b811-53ce77d55810&utm\\_source=newsletter&utm\\_medium=email&utm\\_campaign=environmental](http://www.law360.com/environmental/articles/753894?nl_pk=f062d438-c54c-4110-b811-53ce77d55810&utm_source=newsletter&utm_medium=email&utm_campaign=environmental) link to an article about the Flint, Michigan water contamination case.

<https://journals.tdl.org/twj/index.php/twj/article/view/7019> great article about how different states managed water during the drought.

Attached please find the TCEQ’s latest water delivery report.

Good afternoon,

**This report is for the week ending 1/23/2016.**

- As of the date of this report, Mexico has delivered 211,700 AF since October 25, 2015.\*
- The previous cycle ended with a debt of 263,250 AF.

\*Data is preliminary and subject to IBWC revision.

On January 23, 2016, the U.S. combined ownership at Amistad/Falcon stood at 66.61% of normal conservation capacity, impounding 2,259,449 acre-feet, up from 48.69% (1,651,416 AF) of normal conservation a year ago at this time.

The Mexican Reservoirs report shows, as a whole, a total of 69.20% average capacity. All Mexican Reservoirs are below 100% capacity at this time.

As of 1/23/16:

The United States has 1,366,857 AF in Amistad and 892,592 AF in Falcon.

Mexico has 565,065 AF in Amistad and 651,000 AF in Falcon.

The Amistad Reservoir is currently at:

1092.14 ft -24.86 with a release of 20.0 cms / 706 cfs

Falcon Reservoir is currently at:

285.68 ft -15.52 with a release of 25.0 cms / 882 cfs

February 2016

**Via Electronic Mail**

Mark Lupher  
TEDSI Infrastructure Group  
1201 East Expressway 83  
Mission, TX 78572

Re: February 2016 Water Brief

Please allow the following information to serve as a resource regarding some of the water issues trending in Texas. It is not a comprehensive summary. Its purpose is to provide information that may be of interest to water stakeholders in our region at this time. In addition, the information provided is only basic information regarding the subject matter herein. Additional information regarding any of the subject matters discussed below is available upon request. This is a work product of Beatty Bangle Strama PC and is intended for the sole use of the firm's clients. Before taking any action in reliance on the information included herein, we ask that you personally consult with an attorney from our firm.

**Flint Michigan and the Lead Copper Rule**

The problem in Flint Michigan originates from lead and copper contamination in their drinking water supply. Aging distribution pipes seem to be the culprit which caused the contamination. Water that sat in distribution pipes for any length of time was contaminated in certain parts of the system with the oldest infrastructure. In 1991, the EPA published its Lead and Copper Rule as part of the Safe Drinking Water Act, which established a maximum contaminant level for lead in drinking water and a treatment technique to reduce corrosion of lead and copper within distribution systems. The rule has been modified several times since its inception, but experts say that it is a weak rule in need of a major overhaul. The EPA has stated that it is currently considering a new rule overhaul and expects changes to be published in 2017.

Current problems stem from the testing model used today. Testing typically occurs at the point treated water comes out of the treatment plant before the water is exposed to aging distribution pipes where the lead contamination typically occurs. Therefore, systems using the existing model continuously pass testing standards even though they could have major problems with lead contaminates originating beyond the testing points. Advocates are pushing to change the sampling protocol to overcome shortcomings with current testing and provide a more effective way to identifying lead problems.

Advocates also argue that the current testing model allows utilities to manipulate testing results. Under the existing Lead and Copper rule, systems are not in compliance if more than 10 percent of the homes in a water system have more than 15 parts per billion of lead which will then require the utility to implement corrosion controls. Some utilities have been accused of targeting specific areas in their system for testing that they know will pass the Lead and Copper Rule standards and avoiding certain problem areas that will produce testing results that will trigger the rule's requirements. Lastly, the current rule doesn't not mandate the removal of the lead pipe when testing reveals problems with contamination. Advocates are urging for a requirement for full lead service line replacement as part of the rule.

### **Mexican Water Debt**

On March 7, 2016, state officials declared that Mexico had paid off its water debt owed to Texas in accordance with its obligations under the 1944 Water Treaty governing allocation and use of Waters of the Rio Grande River by Mexico and Texas. Mexico failed to deliver its obligated amount of water by the end of the 5-year cycle timeframe dictated by the treaty, resulting in a water debt owed to the US/Texas. At the end of the 2010-2015 cycle, Mexico owed the United States more that 263,000 acre feet of water. However, officials with the United States Section of the International Boundary and Water Commission said Mexico fully repaid the amount of water it owed the United States on January 25, 2016. The U.S. Commissioner for the IBWC stated, "this success exemplifies the cooperation that now exists between the United States and Mexico to address the water needs of both countries." He went on to say, "Water debts may sometimes be unavoidable, but all water owners along our common border need to have annual notifications of how much water they can expect to receive the next year in order to plan accordingly."

However, there are some stakeholders in the region who have been working on this issue for a long time that still have concerns with the way the payment of the debt was acknowledged. The water delivered by Mexico and credited against the debt carried over from the last cycle did not include the amount of water Mexico needs to deliver to stay in compliance with its current obligations. Instead of first requiring Mexico to meet its current obligations and then crediting the remainder against its debt, officials allowed the accounting to reflect full credit against last cycle's debt. As a result, we are staring the current cycle, like we have historically, with a delivery shortage. Ultimately, we have not achieved or made progress on the long-term goal of requiring Mexico to treat the United States and Texas as a user and planning for delivery of our water on a regular schedule like they do other users within their county. Water users in the Valley may continue to experience hardships due to water shortages because of the historic unpredictable method Mexico has used to deliver its obligation water to the Rio Grande.

### **Texas Supreme Court Limits TCEQ**

### **to Act in Times of Drought**

The Texas Supreme Court declined to take up a case to review a decision by a lower Court that limited the TCEQ's ability to curtail senior water right holders water use in order to accommodate junior municipal water right holders who supply fresh water to cities and power generators. The basis of the initial lawsuit originated from an action taken by TCEQ during the most recent drought to limit senior water right holders full use of their water rights for the benefit of junior holders supplying municipal water. Dow Chemical and the Texas Farm Bureau sued the TCEQ for this action declaring that their property rights had been violated. The TCEQ declared that it had the right to do this under its jurisdiction to protect the "public health, safety and welfare". A Corpus Christi Court of Appeals held, "None of the statutes or the constitutional provision cited by TCEQ give the agency the general authority to suspend water rights after they have been issued." It further held, "While we recognized TCEQ's authority to manage and regulate the state's scarce water resources, such authority must not exceed its express legislative mandate." The Supreme Court denying to take up this case, has left the lower courts ruling in effect, meaning that cities will likely not be able to rely on the water they currently have permitted and would have to buy more senior water rights or lease water from senior water rights holders during times of drought and water shortage. The Texas Farm Bureau was pleased with the Supreme Court's decision not to take up the case hence leaving the lower court's more favorable ruling in effect declaring, "We think it's a great victory because people will continue to have property rights that would otherwise be taken away from them". However, officials from the TCEQ expressed concern with this ruling and stated that this would severely impact their ability to protect the health and safety of Texans during times of drought resulting in limited water supply to accommodate basic human water consumption needs.

### **TWDB Funds Study to Help with Drainage Problems in Colonias**

The TWDB recently announced that it will fund a study to create and implement drainage designs to relieve flooding in colonias that results in water contamination problems along the border. 403 colonias will be included in the TWDB study that will assess which colonias are most in need of better drainage; the study almost certainly will also determine which neighborhoods will be first to get state-funded improvements. Recent severe weather has created several examples of major drainage problems in Valley colonias. Understanding the current state of flood management in colonias and identifying the most problem areas is a great first step towards alleviating the problem. The problems caused by poor drainage are not isolated to the colonias themselves and often spill over to surrounding communities causing problems with infectious diseases spread by mosquitos.

### **Miscellaneous**

Mark Luper  
February 2016  
Page 4

The Surface Water Quality Standards Advisory Workgroup will host its next meeting on Thursday, March 31, 2016 at the TCEQ Austin Campus in Building F, Room 2210. Attached, please find the agenda for that meeting. Please use the following link if you would like to read more about the purpose and function of the State Water Quality Standards Advisory Workgroup. [https://www.tceq.texas.gov/waterquality/standards/WQ\\_standards\\_intro.html](https://www.tceq.texas.gov/waterquality/standards/WQ_standards_intro.html)

<http://apps.texastribune.org/reservoirs/> link to an interactive website with the latest information on reservoir levels in Texas.

Attached please find the latest reservoir report prepared by the TCEQ Water Master's office for the Rio Grande River. Included in the report is the latest information regarding Mexican water deliveries.

The Texas Water Development Board recently announced the date for their next *Water for Texas* conference to be held on January 24-26, 2017, at the AT&T Conference Center in Austin, Texas. The conference will feature topics that include; innovative water technologies, groundwater science, 2017 State Water Plan, geographic data services, water data interactive, flood funding initiatives, TWDB's financial assistance programs, and Texas water policy.



# TEXAS WATER UPDATE

The manner in which leaders, communities, citizens and businesses responded to recent drought conditions was not only an important lesson in our state's ability to adapt, but it served as a powerful demonstration of how we can change our behavior as times require.

In response to dwindling water supplies, many municipalities implemented water conservation measures to preserve drinking water. Some stepped up their efforts for water reuse. And numerous communities adjusted their pricing to encourage conservation and prudent use.

Lower lake levels not only affected water supplies, but they also impacted local economies. In many regions, declining water levels forced businesses to close. Jobs were lost. Tax bases used to support local government services were diminished, and some communities faced challenges in responding to fires and other emergencies.

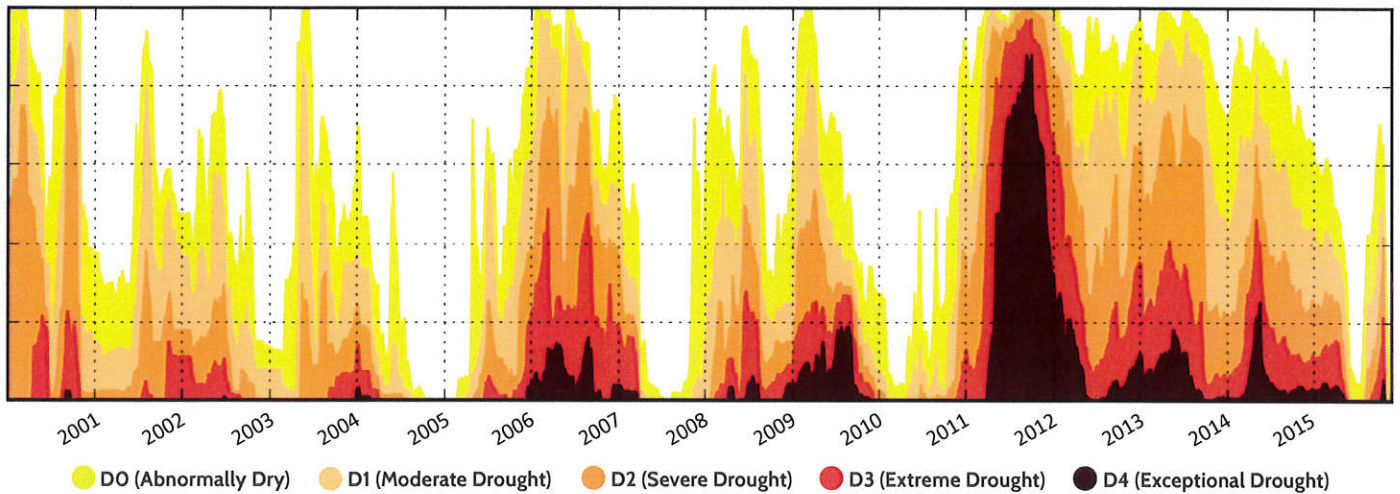
Through it all, the most significant takeaway is the compelling reinforcement that management and usage of our state's water resources must evolve in order to meet the future needs of the state's growing population and expanding economy. We can't just talk about conservation; there must be smarter and more efficient use of water by all. The price that everybody pays for water must encourage conservation and reflect the value of this precious commodity. Use of modern technologies and irrigation methods must become the norm for those who use mass quantities of water in their operations. And regulators must weigh potential economic impacts as they make water management decisions that affect communities, economies and public health.

At one point during 2015, the Texas Commission on Environmental Quality (TCEQ) listed 59 of the state's public water systems as at risk of running out of water within 180 days or less.

## **DROUGHT CONDITIONS CAN RETURN**

Even when we are blessed with rain, we must remember that even the heaviest downpours could be a mere brief respite in an ongoing multiyear drought. We know this can happen because it happened during the Drought of Record in the 1940s and 1950s. Rain in 1951 and 1952 replenished reservoirs temporarily, but the drought continued for another five years. We must learn from our history that even a rainy year doesn't mean a drought is over.

Since 2000 at least some part of the state was in drought conditions 93 percent of the time.



Source: Texas Water Development Board

## THE CENTRAL TEXAS EXPERIENCE

For a quick case study on ways to better manage the state's precious water supplies, one need only look to the experience of Central Texans who rely on the Highland Lakes to provide water to the more than 1 million residents who live in the region.

## A DIFFERENT DECISION

In 2011, as the drought's grip on the region tightened, nearly half of the available water supply in Lake Travis was released for use in flooding rice fields in several South Texas counties. The water released for approximately 200 rice farmers was enough to supply Los Angeles, a city of 3.8 million people, for a year. In the five years since the mass release, Lakes Buchanan and Travis experienced the three lowest annual water inflow totals ever recorded for the lakes. The release of half of the lake's water supply was devastating to the region and threatened the primary water supply for the City of Austin.

In 2011, the water provided to  
**200 RICE FARMERS**  
was enough to supply Los Angeles for a year.

Source: City of Los Angeles, CA

This didn't have to happen. The long-lasting impact of the 2011 water release serves as a powerful lesson on water management, and one that we must learn from, not repeat. Recognizing the serious negative impacts of the 2011 water release, the Lower Colorado River Authority (LCRA) and the Texas Commission on Environmental Quality (TCEQ) have changed the rules for such releases. The TCEQ approved a new LCRA water management plan in early November 2015. The two agencies' actions were an important step toward ensuring the region's drinking water supplies are better protected.

MUNICIPAL AND BUSINESS USERS  
**PAY 15 TIMES MORE FOR  
WATER THAN RICE FARMERS**



**\$9.25** No incentive  
to conserve

Price per acre-foot for water  
**Agricultural Users**  
(Rice Farmers)

**\$145.00**

Price per acre-foot for water  
**Firm Water Users**

Source: LCRA

## EQUITABLE PRICING

We know pricing motivates behavior. We use cheap things freely and sometimes even waste them. For more expensive things, we purchase only what we need and try to stretch them so they last. Pricing of water follows this principle of human nature. Water pricing should encourage conservation of valuable water resources and responsible use by all. In Central Texas, there is a clear link between the current trend to better manage water usage in residential settings and the prices those users pay. Conversely, the lack of modern technology in the rice-growing sector shows us that the outdated price of \$9.25 per acre-foot (325,851 gallons), compared to \$145 paid by municipal users in the region, provides no incentive to rice farmers to conserve and make changes. Fair pricing for all users must be part of the state's water management formula, not just because it is the right thing to do, but, more importantly, because it will drive much-needed innovation, leading to conservation.

Although more abundant rainfall and accessible groundwater supplies exist in the rice-growing region, the underpriced water from the Highland Lakes is a much more appealing purchase. Additionally, the highly inefficient method of transporting the water for hundreds of miles

down the Colorado River and distributing it through miles of unlined irrigation canals results in significant losses of water and revenue to the water supplier and the entire river basin. A 2012 report by the Lower Colorado River Authority estimated that of the water released for rice farming in 2011, the amount lost to evaporation, seepage or changed conditions that eliminated the need for the water was more than 21 billion gallons.<sup>2</sup> Not only will market-based pricing encourage greater conservation, but the use of supplies other than the Highland Lakes will eliminate the excessive and inefficient waste that results from the water traveling down the Colorado River to its destination.

## CONSIDERING ECONOMIC IMPACT

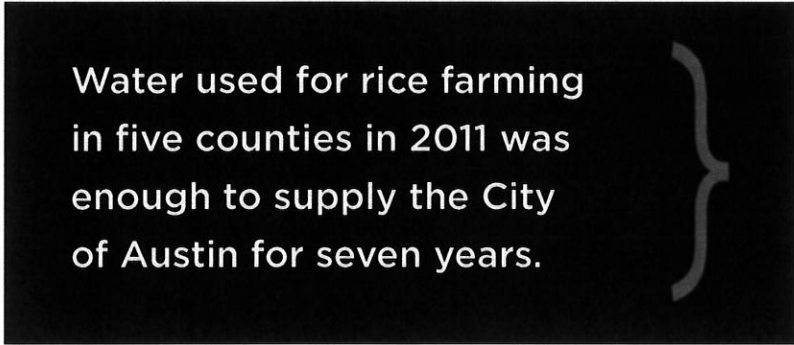
If the range of economic consequences had been considered, it is possible that decisions would not have been made that resulted in sending almost half of Lake Travis downstream to flood rice fields in 2011. Receding shorelines, closed businesses, "For Sale" signs, lost jobs, declining tax revenues and the jeopardizing of a region's primary drinking water supply were all part of the aftermath of action taken under a management plan that did not fully weigh the potential consequences. While the exact economic impact to the region might have been difficult to forecast, consideration of the best and worst-case scenarios could have led to a different result. Many find it hard to believe that the State of Texas does not consider evidence related to economic impact when making decisions regarding the allocation and management of surface water, a resource so critical to the state's economic viability and its public health and safety. Groups who best understand this critical dynamic are continuing work they began in 2015 to advocate for the inclusion of economic impact as a factor to be considered in water management decisions.

The LCRA estimates that of the water released for rice farming in 2011, 21 billion gallons was lost to evaporation, seepage or changed conditions that eliminated the need for the water.

## REDUCING USE WITH IMPROVED IRRIGATION METHODS

In 2011, the Texas Water Development Board (TWDB) reported that agricultural irrigation accounted for approximately 56 percent of the state's total water use.<sup>3</sup> According to the TWDB, rice farming use in five South Texas counties alone comprised more than 276 billion gallons.<sup>4</sup>

Texas has one of the country's fastest-growing populations and an ever-expanding state economy. Pair that with dwindling, less-reliable water supplies, and it is becoming increasingly necessary to ensure that the most efficient methods of irrigation are used, especially when innovation can significantly reduce water waste. Given the amount of water used in rice farming with traditional flooding methods, opportunities exist to develop and implement new best practices that will help ensure the most efficient use of a limited natural resource.



Water used for rice farming  
in five counties in 2011 was  
enough to supply the City  
of Austin for seven years.

A 2001 study funded by the Lower Colorado River Authority in conjunction with the Texas Department of Agriculture and Netafim USA showed that subsurface drip irrigation methods reduced water use by approximately 50 percent over traditional flood irrigation.

Other improvements in water management have also shown that techniques such as surge irrigation and narrow-border flood irrigation use substantially less water than flood irrigation

while maintaining the quality of yields. In fact, these techniques resulted in an astounding 56 percent increase in income for cotton farmers in South Texas.<sup>6</sup> Alternate wetting and drying (AWD) has also been used successfully in regions around the world. SRI, or system of rice intensification, not only reduces water use by almost half, but also has been shown to increase yields by more than 40 percent and farmer income by as much as 60 percent.<sup>7</sup>

While some of these innovations may not be applicable for broad agricultural use, they do demonstrate the ability to change practices as times require. Even with its record-breaking population growth, Austin has reduced per capita consumption by 22 percent from 2007-2013.<sup>8</sup> But cities aren't the only ones reducing water usage. Farmers around the world are demonstrating they can adapt to using less water with alternative irrigation methods, and in some instances are improving their yields by doing so.

## CHANGING TIMES, CHANGING WAYS

Even though change can be difficult, families, cities and businesses have demonstrated how they can reduce use and increase efficiency to respond to a less predictable water supply. Their actions were not just out of concern that we're running out of water, but to adapt to changing times as they arise so that we don't. The state's evolving drought conditions and the increasingly unpredictable weather patterns have reinforced the need to think differently when it comes to managing our water supply.

While we don't control how much water falls from the sky, we are able to promote water management that recognizes the true value of this precious resource.

### Sources

<sup>1</sup> <http://www.waterdatafortexas.org/reservoirs/basin/colorado>;

<sup>2</sup> [http://www.lcra.org/water/water-supply/Documents/water\\_use\\_summary\\_2011.pdf](http://www.lcra.org/water/water-supply/Documents/water_use_summary_2011.pdf);

<sup>3</sup> <http://texasstatewaterplan.org/#/demands/2010/state>;

<sup>4</sup> [http://www2.twdb.texas.gov/ReportServerExt/Pages/ReportViewer.aspx?%2fIWU%2fIrrigation\\_Crop\\_Water\\_Use&rs:Command=Render](http://www2.twdb.texas.gov/ReportServerExt/Pages/ReportViewer.aspx?%2fIWU%2fIrrigation_Crop_Water_Use&rs:Command=Render);

<sup>5</sup> [http://www2.twdb.texas.gov/ReportServerExt/Pages/ReportViewer.aspx?%2fIWU%2fSumFinal\\_WUG\\_Entity\\_Detail\\_2013&rs:Command=Render](http://www2.twdb.texas.gov/ReportServerExt/Pages/ReportViewer.aspx?%2fIWU%2fSumFinal_WUG_Entity_Detail_2013&rs:Command=Render);

<sup>6</sup> [http://www.twdb.texas.gov/conservation/agriculture/demonstration/doc/AWE\\_AnnualReport2013.pdf](http://www.twdb.texas.gov/conservation/agriculture/demonstration/doc/AWE_AnnualReport2013.pdf);

<sup>7</sup> [http://www.earthisland.org/journal/index.php/elist/eListRead/system\\_of\\_rice\\_intensification\\_brings\\_hope\\_to\\_global\\_rice\\_production/](http://www.earthisland.org/journal/index.php/elist/eListRead/system_of_rice_intensification_brings_hope_to_global_rice_production/);

<sup>8</sup> City of Austin

# SWQS Advisory Workgroup Agenda

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**Location: TCEQ Headquarters, Building F, Second Floor, Room 2210**

**Date: March 31, 2016**

**Time: 1:00pm – 4:00pm**

- 1:00 Welcome and Workgroup Introductions – Debbie Miller
- 1:15 UAA Updates – Jason Godeaux
- 1:45 RUAA Updates – Kate Lavelle
- 2:00 Texas General Land Office Beach Watch Program – Craig Davis
- 2:30 BEACH Act and the EPA 2012 Recreational Criteria for Coastal Waters– Joe Martin
- 4:00 Adjourn

Good afternoon,

**This report is for the week ending 2/27/2016.**

- The current cycle began on October 25, 2015. As of the date of this report, Mexico has delivered 86,647 AF.\*
- The pro-rated deficit for the current cycle is 34,175 AF.
- The previous cycle ended with a debt of 263,250 AF. As of January 25, 2016, Mexico has delivered water to the United States to pay down the debt.

\*Data is preliminary and subject to IBWC revision.

On February 27, 2016, the U.S. combined ownership at Amistad/Falcon stood at 65.66% of normal conservation capacity, impounding 2,227,020 acre-feet, up from 49.38% (1,674,927 AF) of normal conservation a year ago at this time.

The Mexican Reservoirs report shows, as a whole, a total of 68.03% average capacity. All Mexican Reservoirs are below 100% capacity at this time.

As of 2/27/16:

The United States has 1,370,100 AF in Amistad and 856,920 AF in Falcon.

Mexico has 568,308 AF in Amistad and 633,165 AF in Falcon.

The Amistad Reservoir is currently at:

1092.25 ft -24.74 with a release of 20.0 cms / 706 cfs

Falcon Reservoir is currently at:

284.79 ft -16.40 with a release of 60.0 cms / 2,119 cfs



# Bickerstaff Heath Delgado Acosta LLP

3711 S. Mo-Pac Expy. Building One, Suite 300 Austin, Texas 78746 (512) 472-8021 Fax (512) 320-5638 Tax ID No 74-2153894

Hidalgo County Drainage District No. 1  
c/o TEDSI Infrastructure Group, Inc.  
1201 E. Expressway 83  
Mission, TX 78572

March 14, 2016  
Client: 003978  
Matter: 000001  
Invoice #: 100050  
Bill Atty: DM  
Page: 1

RE: Drainage Improvements

For Professional Services Rendered Through February 29, 2016

## SERVICES

Date	Person	Description of Services	Hours	
2/1/2016	EWR	Prepare summary of permitting process.	0.2	
Total Professional Services			0.2	\$60.00

## BILLING RECAP

	Level	Hours	Rate	Amount
EWR	Emily Rogers	Partner	0.2	\$300.00
Total Services				\$60.00
Total Current Charges				\$60.00

**TEDSI INFRASTRUCTURE GROUP**  
 Project No. 2013-1128-12 Phase No. 300  
 Lump Sum  Approved  Hold  
 Hourly  Rejected  Process  
 Sign MW Date 3/16/16

**PAY THIS AMOUNT \$60.00**

## Samantha DeLeon

---

**From:** Emily Rogers [ERogers@bickerstaff.com]  
**Sent:** Monday, February 01, 2016 10:49 AM  
**To:** Samantha DeLeon  
**Cc:** Mark Corbitt; Mark Lupher; Mariano Manzano  
**Subject:** RE: Delta Watershed

To store, divert or use state water, a person must obtain a water right from the Texas Commission on Environmental Quality (TCEQ). The person must submit an application with the TCEQ that meets the requirements of Texas Water Code Sec. 11.134, which are the following:

1. The application must conform with the TCEQ's application requirements and be accompanied by the required fee;
2. There is unappropriated water available from the source of supply;
3. The proposed appropriation is intended for a beneficial use, does not impair existing water rights, is not detrimental to the public welfare, considers any applicable environmental flow standard, and addresses a water supply need in a manner that is consistent with the state water plan and relevant regional water plan; and
4. The application provides evidence that reasonable diligence will be used to avoid waste and achieve water conservation.

Upon receipt of the application, TCEQ reviews it for administrative completeness and determines if any additional information is needed from the applicant. The TCEQ declared HCDD1's application administrative complete on November 20, 2015. Once an application is administratively complete, the TCEQ will start its technical review, which will include running a water availability model to determine if there is unappropriated water available.

When the TCEQ has completed technical review and prepared a draft permit, the TCEQ will require the applicant to provide mailed notice of the application to other water rights holders and interested persons within the basin, and will require the applicant to publish notice of the application in a newspaper of general circulation in each county affected by the application. The notice will allow persons and entities to request a contested case hearing on the application.

If no person requests a contested case hearing, the water right will be issued by the TCEQ. If a person requests a contested case hearing, the TCEQ Commissioners will decide if the person is an affected person entitled to a contested hearing, and refer the matter to the State Office of Administrative Hearing (SOAH) for a hearing on the merits of application. Upon completion of the contested case hearing, the SOAH judge will issue proposal for decision and send the application back to the TCEQ Commissioners for their ultimate decision regarding the application and the water right.

Emily Willms Rogers | Attorney | Bickerstaff Heath Delgado Acosta LLP  
3711 S. Mo-Pac | Building One | Suite 300 | Austin, TX | 78746  
Phone 512.472.8021 | Fax 512.320.5638

[erogers@bickerstaff.com](mailto:erogers@bickerstaff.com) | [www.bickerstaff.com](http://www.bickerstaff.com)



**From:** Samantha DeLeon [<mailto:SDeLeon@tedsi.com>]  
**Sent:** Tuesday, January 12, 2016 8:41 AM  
**To:** Emily Rogers <[ERogers@bickerstaff.com](mailto:ERogers@bickerstaff.com)>  
**Cc:** Mark Corbitt <[MCorbitt@tedsi.com](mailto:MCorbitt@tedsi.com)>; Mark Lupher <[MLupher@tedsi.com](mailto:MLupher@tedsi.com)>; Mariano Manzano <[MManzano@tedsi.com](mailto:MManzano@tedsi.com)>  
**Subject:** Delta Watershed

Good Morning Emily,

We are working on the Preliminary Engineering Report for the Delta Watershed Project. Could you please provide a brief write up of the legal process associated with obtaining the water rights for us to include?

Thank you!

*Samantha DeLeon, E.I.T.*

**TEDSI INFRASTRUCTURE GROUP**

1201 East Expressway 83

Mission, Texas 78572

Tel: (956) 424-7898

Fax: (956) 424-7022

[www.teds.com](http://www.teds.com)

Email: [sdeleon@tedsi.com](mailto:sdeleon@tedsi.com)

This e-mail and any files transmitted with it are confidential and are intended solely for the use of the individual or entity to whom they are addressed. If you are NOT the intended recipient and receive this communication, please delete this message and any attachments. Thank you.



TEDSI  
Backup

Inv # 20162676

DVD-R

Jan-Feb  
2016  
Invoice

2013-11-28-12

0 minutes  
16  
7 GB  
1x-16  
www.product-support-sta



# Hidalgo County Drainage District No. 1

902 North Doolittle Road

Edinburg, Texas 78542

Office: (956) 292-7080

## Invoice Processing Routing Slip Invoice/ Backup

Date Received:

4/1/2016

Engineer/Firm Name:

L&G Engineering

Project Name/Number:

Mission Inlet Rec. Project WA No. 5

Invoice No.:

11325558

Purchase Order No.:

628488

Received By:

Rosa Arce

Forwarded to:

Nora D. Cavazos  
Claudette Guerrero

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

Total # of Pages Submitted:

7

Attachments:

CD

Amount:

\$172,231.45

Forwarded to:

Jose N. Saldivar

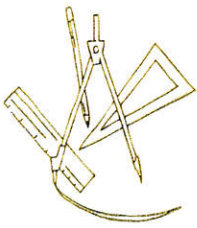
Date: \_\_\_\_\_

Forwarded to:

Lora Briones

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

Additional Comments:



# L&G Engineering

Transportation Consultants

April 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

APR 01 2016

3:38 AM (PM)

BY: *[Signature]*

**RE: Work Authorization #5 on Mission Inlet Recertification Project**

**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 March 2016 on the subject referenced project.

The following is attached:

- L&G's Invoice #11325558
- CD w/ Electronic Files of Data for:
  - FC 11003, 12002, 12003 & 33001

TASK		% COMPL
<b>Mission Inlet Recertification Project</b>		
FC 11003 ~ PS&E Development	L&G	10.0%
<b>Update</b> – L&G began developing the Plan Documents for the project including Title Sheet, TOC, Project Layouts, Typical Sections, U&D sheets & Project Standard sheet selection.		
FC 12002 ~ Outreach/Presentations with Major Stakeholders (i.e. City of Mission, City of McAllen, McAllen Airport, etc.)	L&G	10.0%
<b>Update</b> – L&G has worked on development of a presentation from HCDD #1 for City of McAllen & McAllen Airport to be held in April 2016. In addition, various informal coordination/correspondence has been held with stakeholders.		
FC 12003 ~ Meetings & Coordination with HCDD#1, County, FEMA & IBWC	L&G	10.0%
<b>Update</b> – L&G has been held informal coordination with HCDD #1 and County discussing project status and general details. L&G has been in contact with HCDD#1 regarding presentation requested.		
FC 15001 ~ Coordination & Management of Surveyor	L&G	0.0%
<b>No Update – Task Not Started</b>		

FC 15010 ~ SUB – Design Survey	ROW SS	0.0%
<b>No Update – Task Not Started</b>		
FC 33001 ~ SUB – Geotechnical Engineering	L&G LAB	54.4%
<b>Update</b> – See progress report from L&G Lab dated March 31, 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, TX 78570**  
**(956)565-9813 Fax (956)565-9018**

**INVOICE#:** 11325558  
**INVOICE DATE:** 3/31/2016

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

**RECEIVED**  
HIDALGO COUNTY  
DRAINAGE DISTRICT #1

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

APR 01 2016  
3:38  
AM/PM  
*[Signature]*

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
<b>Engineering services for the month of March 2016.</b>						
FC 11003 - PS&E Development - 7.25% Construction Cost	1,042,906.33		104,290.63	104,290.63	10.0	938,615.70
FC 12002 - Outreach/Presentations with Major Stakeholders	19,955.83		2,000.83	2,000.83	10.0	17,955.00
FC 12003 - Meetings & Coordination with HCDD#1, County, FEMA &	59,349.71		5,939.99	5,939.99	10.0	53,409.72
FC 15001 - Coordination & Management of Surveyor	5,014.62			0.00	0.0	5,014.62
FC 15010 - SUB - Design Survey	50,010.00			0.00	0.0	50,010.00
FC 33001 - Geotechnical Engineering / SUB	110,206.04		60,000.00	60,000.00	54.4	50,206.04
	1,287,442.53	0.00	172,231.45	172,231.45	13.4	1,115,211.08

ORIGINAL CONTRACT SUM	\$	1,287,442.53
CHANGE BY CHANGE ORDER	\$	0.00
CONTRACT SUM TO DATE	\$	1,287,442.53
TOTAL COMPLETED TO DATE	\$	172,231.45
LESS PREVIOUS INVOICES	\$	0.00
<b>CURRENT PAYMENT DUE</b>	<b>\$</b>	<b>172,231.45</b>

*[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#5  
 Reference: Inv# 11325558  
 Date: 03/31/2016  
 P.O.#628488

	Hrs		Rate	Total
Senior Project Manager	12.00	X	212.59	\$2,551.08
Senior Engineer	16.00	X	175.07	\$2,801.12
Design Engineer	20.00	X	112.55	\$2,251.00
Admin/Clerical	6.00	X	56.27	\$337.62

**Grand Total of Hours** \$ 7,940.82  
 (Difference due to rounding hours) \$ -

<b>Invoice Summary</b>	
Man Hours	\$ 7,940.82
PS&E Development - 7.25% of Construction Cost	\$ 104,290.63
Sub Contract	\$ -
Geotechnical Engineering <small>(See Attached Sub Invoice for Man Hour Breakdown)</small>	\$ 60,000.00
(Difference due to rounding)	\$ -

**Total Per Invoice Submitted** \$ 172,231.45



# L&G Engineering Laboratory

Construction Material Testing  
Geotechnical Engineering

April 01, 2016

Mr. Jacinto Garza, P.E.  
President - L&G Engineering  
2100 W. Expressway 83  
Mercedes, Texas 78570

**RE: Geotechnical Drilling, Testing, & Engineering  
Mission Inlet FEMA Re-Evaluation (Additional Geo for PS&E)**

Dear Mr. Garza,

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

The following is attached:

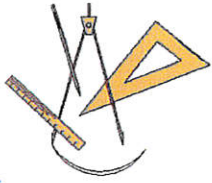
- L & G Lab's Invoice #9135
- Electronic Back-Up – Draft Boring Logs, Drilling Logs, Lab Testing Info

TASK		% COMPL
FC10208 – FOUNDATION STUDIES	L&G Lab	0%
<b>No Update</b> – This task will begin next period.		
FC10209 – FOUNDATION MATERIAL TESTING	L&G Lab	90.22%
<b>Update</b> – L&G Lab has completed drilling of the borings required for this project. Lab testing of the soil samples is primarily complete. Draft Boring Logs have been created.		

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  
L&G Engineering Laboratory, LLC



# L & G Engineering Laboratory, LLC Invoice

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

Date	3/31/2016
Invoice #	9135

<b>Bill To</b>
L&G Engineering 2100 W. Exp 83 Mercedes, Tx 78570

<b>Ship To</b>
Mission Inlet FEMA Re-Evaluation (Add'l Geo for PS&E) Div. IV Geotechnical Drilling, Testing, & Engineering

<b>Job #</b>	<b>Due Date</b>
GL130205	4/10/2016

Description	% Complete	Neg. Amt	Prev. Invoiced	Inv. To Date	Amount Due
Foundation Studies	0.00%	43,702.76			0.00
Foundation Mtls. Testing	90.22%	66,503.28			60,000.00

Mission Inlet FEMA Re-Evaluation (Add'l Geo for PS&E) Div. IV	<b>Total</b>	\$60,000.00
	<b>Payments/Credits</b>	\$0.00
	<b>Balance Due</b>	\$60,000.00

Mission Inlet  
Recertification Project  
Work Authorization #5

L & G  
ENGINEERING

Invoice #  
11325558

HCDD#1

3/31/2016

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.



**L&G Engineering**  
 Transportation Consulting Engineers

2100 W. Expressway 83 Mercedes, TX 78670  
 Phone: (956) 565-9813 Fax: (956) 365-9018  
 Toll Free: (888) 363-9813 Firm No. F-4105  
 500 S. Stewart Rd., Ste. 10 Mission, TX 78572  
 Phone: (956) 585-1709 Fax: (956) 385-1927  
 Toll Free: (866) 385-1909

# Letter of Transmittal

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

1 of 7

DATE:  
 April 1, 2016

**Project: Progress Report & Invoice Package for Various Work Authorizations**  
 Pharr McAllen Drain & South Floodwater Channel Watershed Improvement Project  
 Mission Inlet Recertification Project  
 La Joya Watershed Improvement Project

L&G PROJECT NO.:

WA #4  
 WA #5  
 WA #4

**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 #4 on Pharr McAllen Drain &amp; South Floodwater Channel               <ul style="list-style-type: none"> <li>○ P.O. #628487, Invoice #11325512 <del>Inv# 11325571</del> CD ✓</li> </ul> </li> <li>• Work Authorization #5 on Mission Inlet Recertification Project               <ul style="list-style-type: none"> <li>○ P.O. #628488, Invoice #11325558 \$172,231.45 CD ✓</li> </ul> </li> <li>• Work Authorization #4 on La Joya Watershed Improvement Project               <ul style="list-style-type: none"> <li>○ P.O. #625396, Invoice #11325560 CD ✓</li> </ul> </li> </ul>

**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**  
 HIDALGO COUNTY  
 DRAINAGE DISTRICT #1

APR 01 2016  
 3:38 AM / PM

BY: Rosa Dew

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

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