



**CONSENT AGENDA
DRAINAGE DISTRICT
BOARD OF DIRECTORS
September 15, 2015
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being discussed separately unless requested by a Board Member, in which event the item or items will immediately be withdrawn for individual consideration in its normal sequence after the items not requiring separate discussion have been acted upon.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 -51183** Discharge Permits:
Domain Development - Jackson Heights;
97.58, 97.17, 98.90 & 96.08

3. **AI -51135** Request approval to issue payment on the following items that have met audit requirements:

Inv No. 0061168 in the amount of \$99,004.49 from Melden & Hunt, Inc. represents FINAL payment related to Work Authorization No. 1 -Engineering & Special Services for the HCDD1-Rado Drain Pct.2 Project. PO#622613 & PO#622596.

4. **AI -51363** Request approval to issue payment on the following items after review and audit procedures have been met:

A. Invoice No. 11325249 in the amount of \$2,835.00 from L&G Consulting Engineers, Inc. related to Work Authorization No. 4-Design, Geotechnical, Survey & R.O.W. Acquisition Services to advance Phase 1 of the La Joya Watershed Improvement Project. PO#625396.

B. Invoice No. 11325250 in the amount of \$31,596.18 from L&G Consulting Engineers, Inc. related to Work Authorization No. 2-Pharr McAllen Drain & South Flood Water Channel Watershed Improvement Study. PO#626939.

AI -51183

2.

DRAINAGE - CONSENT

Meeting Date: 09/15/2015

Submitted By: Sylvia Sanchez, DRAINAGE
DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

Discharge Permits:
Domain Development - Jackson Heights;
97.58, 97.17, 98.90 & 96.08

BACKGROUND

Fiscal Impact

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
Budget & Management	Veronica Ortiz	09/02/2015 02:12 PM
Final Approval	Monica Badillo	09/11/2015 05:30 PM
Form Started By: Sylvia Sanchez		Started On: 09/01/2015 02:47 PM
Final Approval Date: 09/11/2015		

AI -51135

3.

DRAINAGE - CONSENT

Meeting Date: 09/15/2015

Submitted By: Claudette Guerrero,
DRAINAGE DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

Request approval to issue payment on the following items that have met audit requirements:

Inv No. 0061168 in the amount of \$99,004.49 from Melden & Hunt, Inc. represents FINAL payment related to Work Authorization No. 1 -Engineering & Special Services for the HCDD1-Rado Drain Pct.2 Project. PO#622613 & PO#622596.

BACKGROUND

Fiscal Impact

Attachments

Melden & Hunt Inv#0061168

Email related to Melden & Hunt Inv#0061168

Form Review

Inbox	Reviewed By	Date
Budget & Management	Veronica Ortiz	09/11/2015 12:23 PM
Final Approval	Monica Badillo	09/11/2015 05:30 PM
Form Started By: Claudette Guerrero		Started On: 08/28/2015 01:18 PM
Final Approval Date: 09/11/2015		

Invoice

MELDEN & HUNT, INC.
 Consulting Engineers
 115 West McIntyre
 Edinburg, Texas 78541

RECEIVED
 HIDALGO COUNTY
 DRAINAGE DISTRICT #1

AUG 19 2015
 11:44 AM/PM
 BY: Rosa Arce

Hidalgo County Drainage District #1
 Attention: Raul Cesin, General Manager
 902 N. Doolittle
 Edinburg, TX 78541

August 19, 2015
 Project No: 07129.02
 Invoice No: 0061168

Project 07129.02 HCDD#1-RADO Drain Pct 2- Basic Services
 Rado Drain Pct 2 - Basic Services. P.O. #622613.

Professional Services from November 01, 2014 to November 30, 2014

Fee

Billing Phase	Fee	Percent Complete	Earned
Eval. of Alt/ Prel. Eng. Report	30,118.90	100.00	30,118.90
Design Engineering	180,713.38	100.00	180,713.38
Bidding/ Recommendations	15,059.45	100.00	15,059.45
Const. Eng. Serv/Proj. Performance	75,297.24	100.00	75,297.24
Reimbursables	0.00	0.00	0.00
Total Fee	301,188.97		301,188.97
		Previous Fee Billing	301,188.97
		Current Fee Billing	0.00
		Total Fee	0.00
		Total this Project	0.00

Billings to Date

	Current	Prior	Total
Fee	0.00	301,188.97	301,188.97
Expense	0.00	17.00	17.00
Totals	0.00	301,205.97	301,205.97

Project 07129.01 HCDD#1 -RADO Drain Pct. 2 - Special Serv
 Rado Drain Pct. 2 - Special Services. P.O. #622596.

Fee

Billing Phase	Fee	Percent Complete	Earned
Geotech	25,000.00	100.00	25,000.00
Surveying Services (.09)	16,732.72	100.00	16,732.72
Resident Proj. Inspection (.16)	85,867.33	100.00	85,867.33
Const. Material Testing	23,611.01	100.00	23,611.01
Reimbursables	0.00	0.00	0.00
Total Fee	152,600.05		151,211.06
		Previous Fee Billing	52,206.57
		Current Fee Billing	99,004.49
		Total Fee	99,004.49
		Total this Project	\$99,004.49

Billings to Date

Fee	Current	Prior	Total
Fee	100,393.48	43,482.72	143,876.20
Totals	100,393.48	43,482.72	143,876.20

 Project 07129.16 HCDD#1-twin 115-in CMP, RADO Drain
 Rado Drain Pct 2 - Inspections Services as per contract rates.

Total this Project 0.00

Billings to Date

Labor	Current	Prior	Total
Labor	0.00	8,723.85	8,723.85
Totals	0.00	8,723.85	8,723.85

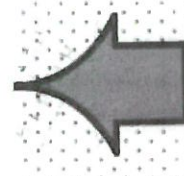
Total this Invoice \$99,004.49

Melden & Hunt, Inc. upon receipt of payment of Invoice No. 0061168 acknowledges and confirms no further sums are due and owing under that certain contract by and between Hidalgo County Drainage District No. 1 and Melden & Hunt, Inc. dated April 9, 2013 (the "Contract"). Melden & Hunt, Inc. further represents and confirms to Hidalgo County Drainage District No. 1 that all consultants and/or any other person who furnished services to Melden & Hunt, Inc. with represent to the Contract have been in full.

Melden & Hunt, Inc.

By: *Paul A. Hunt*

Its: 9-8-15



7129.02				August Invoice	2015 61168	
Billing Phase	Fee	Prior Fee	Percent Complete	Current Fee	Earned	
Eval of Alt/Prel. Eng Report	30,118.90	30,118.90	100.00		30,118.90	
Design Engineering	180,713.38	180,713.38	100.00		180,713.38	
Bidding/Recommendations	15,059.45	15,059.45	100.00		15,059.45	
Const. Eng. Derv/Proj.Perfor	75,297.24	75,297.24	100.00	0.00	75,297.24	
Reimbursables	0.00		0.00		0.00	
Totals	301,188.97	301,188.97		0.00	301,188.97	
7129.01						
Billing Phase	Fee	Prior Fee	Percent Complete	Current Fee	Earned	
Geotech	25,000.00	25,000.00	100.00	0.00	25,000.00	
Surveying Services (.09)	16,732.72	16,732.72	100.00	0.00	16,732.72	
Res. Project Inspection	85,867.33	8,723.85	100.00	77,143.48	85,867.33	
Const. Material Testing	23,611.01	1,750.00	100.00	21,861.01	23,611.01	
Reimbursables	0.00	0.00	0.00		0.00	
	151,211.06	52,206.57		99,004.49	151,211.06	
				Total This Invoice	99,004.49	

RECEIVED
HIDALGO COUNTY
DRAINAGE DISTRICT #1

AUG 19 2015

11:44 AM / PM

BY: Rosa Arce

Zimbra

claudette.guerrero@hcdd1.org

RE: Inv. no. 0061168_Rado Drain Project Final Billing**From :** Fred Kurth <fkurth@meldenandhunt.com>

Tue, Sep 08, 2015 05:13 PM

Subject : RE: Inv. no. 0061168_Rado Drain Project Final Billing 2 attachments**To :** 'Claudette Guerrero' <claudette.guerrero@hcdd1.org>**Cc :** 'Raul Sesin' <raul.sesin@hcdd1.org>, 'jaime salazar' <jaime.salazar@hcdd1.org>, 'nora cavazos' <nora.cavazos@hcdd1.org>, 'Lora Briones' <lora.briones@hcdd1.org>**Reply To :** fkurth@meldenandhunt.com

See attached signed page 2.

Thanks,

Fred L. Kurth, P.E. & R.P.L.S.
President, Melden & Hunt, Inc.
115 W. McIntyre
Edinburg, Tx 78541
956-381-0981 ofc / 956-330-4152 cell
fkurth@meldenandhunt.com

From: Claudette Guerrero [mailto:claudette.guerrero@hcdd1.org]**Sent:** Tuesday, September 08, 2015 2:38 PM**To:** Fred Kurth**Cc:** Raul Sesin; jaime salazar; nora cavazos; Lora Briones**Subject:** Inv. no. 0061168_Rado Drain Project Final Billing

Good Afternoon Mr. Kurth,

Payment for invoice no. 0061168 for the Rado Drain Project will be processed on the District's next check run scheduled for September 15, 2015. As previously discussed and agreed by you and Mr. Raul Sesin, the amount of \$99, 004.49 represents final payment for the Rado Drain Project; therefore, we request your assistance in reviewing and signing page no. two of your invoice confirming the same.

Let us know should you have any questions and/or concerns.

Respectfully,



Claudette Guerrero
Accountant - Funds

Hidalgo County Drainage District No. 1

902 N. Doolittle
Edinburg, TX 78542
Off: (956)292-7080 ext. 5804
Fax: (956)292-7089
claudette.guerrero@hcdd1.org



Claudette Guerrero
Accountant - Funds
Hidalgo County Drainage District No. 1
902 N. Doolittle
Edinburg, TX 78542
Off: (956)292-7080 ext. 5804
Fax: (956)292-7089
claudette.guerrero@hcdd1.org

image001.png
136 KB



SKM_454e15090817140.pdf
698 KB

From : Fred Kurth <fkurth@meldenandhunt.com>

Tue, Sep 08, 2015 05:05 PM

Subject : Read: Inv. no. 0061168_Rado Drain Project Final Billing

1 attachment

To : 'Claudette Guerrero' <claudette.guerrero@hcdd1.org>

Reply To : fkurth@meldenandhunt.com

Your message

To: Fred Kurth
Cc: Raul Sesin; jaime salazar; nora cavazos; Lora Briones
Subject: Inv. no. 0061168_Rado Drain Project Final Billing
Sent: 9/8/2015 2:38 PM

was read on 9/8/2015 5:05 PM.



Unknown <multipart/report>
0 B

From : Lora Briones <lora.briones@hcdd1.org>

Tue, Sep 08, 2015 04:52 PM

Subject : Read-Receipt: Inv. no. 0061168_Rado Drain Project Final Billing

1 attachment

To : Claudette Guerrero <claudette.guerrero@hcdd1.org>

The message sent on September 8, 2015 2:38:04 PM GMT-05:00 to lora.briones@hcdd1.org with subject "Inv. no. 0061168_Rado Drain Project Final Billing" has been displayed. This is no guarantee that the message has been read or understood.



Unknown <multipart/report>
0 B

From : Claudette Guerrero <claudette.guerrero@hcdd1.org>

Tue, Sep 08, 2015 02:38 PM

Subject : Inv. no. 0061168_Rado Drain Project Final Billing

2 attachments

To : Fred Kurth <fkurth@meldenandhunt.com>

Cc : Raul Sesin <raul.sesin@hcdd1.org>, jaime salazar

<jaime.salazar@hcdd1.org>, nora cavazos
<nora.cavazos@hcdd1.org>, Lora Briones
<lora.briones@hcdd1.org>

Reply To : Claudette Guerrero <claudette.guerrero@hcdd1.org>

Good Afternoon Mr. Kurth,

Payment for invoice no. 0061168 for the Rado Drain Project will be processed on the District's next check run scheduled for September 15, 2015. As previously discussed and agreed by you and Mr. Raul Sesin, the amount of \$99, 004.49 represents final payment for the Rado Drain Project; therefore, we request your assistance in reviewing and signing page no. two of your invoice confirming the same.

Let us know should you have any questions and/or concerns.

Respectfully,



Claudette Guerrero
Accountant - Funds
Hidalgo County Drainage District No. 1
902 N. Doolittle
Edinburg, TX 78542
Off: (956)292-7080 ext. 5804
Fax:(956)292-7089
claudette.guerrero@hcdd1.org



Claudette Guerrero
Accountant - Funds
Hidalgo County Drainage District No. 1
902 N. Doolittle
Edinburg, TX 78542
Off: (956)292-7080 ext. 5804
Fax:(956)292-7089
claudette.guerrero@hcdd1.org

Claudette Signature.fw.png
136 KB



Melden Inv#0061168_Final Rado Drain Project_Legal Statement..pdf
163 KB

AI -51363

4.

DRAINAGE - CONSENT

Meeting Date: 09/15/2015

Submitted For: Lora Briones

Submitted By: Claudette Guerrero,
DRAINAGE DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

Request approval to issue payment on the following items after review and audit procedures have been met:

A. Invoice No. 11325249 in the amount of \$2,835.00 from L&G Consulting Engineers, Inc. related to Work Authorization No. 4-Design, Geotechnical, Survey & R.O.W. Acquisition Services to advance Phase 1 of the La Joya Watershed Improvement Project. PO#625396.

B. Invoice No. 11325250 in the amount of \$31,596.18 from L&G Consulting Engineers, Inc. related to Work Authorization No. 2-Pharr McAllen Drain & South Flood Water Channel Watershed Improvement Study. PO#626939.

BACKGROUND

Fiscal Impact

Attachments

L&G Inv#11325249

L&G Inv#11325250

Form Review

Inbox	Reviewed By	Date
Budget & Management	Debbie Tamez	09/11/2015 05:00 PM
Final Approval	Monica Badillo	09/11/2015 05:30 PM
Form Started By: Claudette Guerrero		Started On: 09/11/2015 03:39 PM
Final Approval Date: 09/11/2015		



Hidalgo County Drainage District No. 1

902 North Doolittle Road

Edinburg, Texas 78542

Office: (956) 292-7080

Invoice Processing Checklist/ Routing Slip

Invoice/ Backup

Date Received: 9/1/2015

Engineer/Firm Name: L&G Engineering

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

Invoice No.: 11325249

Purchase Order No.: 625396

Received By: Rosa Arce

Forwarded to: Nora D. Cavazos Date: _____
Claudette Guerrero Date: _____

Total # of Pages Submitted: 5

Attachments: CD

Forwarded to: Jose N. Saldivar Date: _____

Forwarded to: Lora Briones Date: _____

Additional Comments: Submitted with Invoice NO. 11325250 Total Pages in all: 14

\$ 2, 835.00

1045

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

INVOICE#: 11325249
INVOICE DATE: 8/31/2015

RECEIVED
HIDALGO COUNTY
DRAINAGE DISTRICT #1

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

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

SEP 01 2015

11:35 AM/PM
Rosalba

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
Engineering services for the month of August 2015.						
Task A - Construction Plans for Liberty Pit Detention Facility						
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 (Utlity Locate	27,168.00	27,168.00		27,168.00	100.0	-
13010-Task 3a - SUB: ROW Map Parcel Sketches & Field Note	22,400.00	22,400.00		22,400.00	100.0	-
60001-Task 4a - Acquisition of ROW for Proposed Facility	28,100.00	18,855.00	1,815.00	20,670.00	73.6	7,430.00
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 Reco	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		40,317.32	80.0	10,066.72
Task B - Construction Plans for South Basin Pit Detention Facility						
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 (Utlity Locate	24,935.00	24,935.00		24,935.00	100.0	-
13020-Task 3b - SUB: ROW Map Parcel Sketches & Field Note	7,488.00	7,488.00		7,488.00	100.0	-
60003-Task 4b - Acquisition of ROW for Proposed Facility	14,800.00	7,140.00	1,020.00	8,160.00	55.1	6,640.00
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 Reco	8,966.44	8,966.44		8,966.44	100.0	-
16002-Task 7b - Plans, Specification & Estimates (PS&E)	33,589.36	28,565.36		28,565.36	85.0	5,024.00
Task C - Phase I Outfall Development of La Joya Watershed Drainage Master Plan						
13003-Task 1c - Coord. & Management of ROW Base Map, Desig	13,030.24	12,067.36		12,067.36	92.6	962.88
15030-Task 2c - SUB: Desgin Survey (Utlity 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 Propose	37,866.28	37,866.28		37,866.28	100.0	-
16003-Task 5c - Plans, Specifications & Estimates (PS&E)	200,524.00	140,382.28		140,382.28	70.0	60,141.72
	644,447.48	541,287.66	2,835.00	544,122.66	84.4	100,324.82
TOTALS:	<u>644,447.48</u>	<u>541,287.66</u>	<u>2,835.00</u>	<u>544,122.66</u>	<u>84.4</u>	<u>100,324.82</u>

[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	\$	544,122.66
LESS PREVIOUS INVOICES	\$	541,287.66
CURRENT PAYMENT DUE	\$	<u>2,835.00</u>

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# 11325249

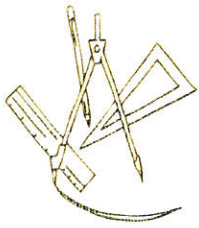
Date: 8/31/2015

P.O. #625396

	Hrs		Rate	Total
Senior Project Manager	0.00	X	212.59	\$0.00
Senior Engineer	0.00	X	175.07	\$0.00
Design Engineer	0.00	X	112.55	\$0.00
Senior Engineer Tech	0.00	X	78.16	\$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		\$ 2,835.00
Sub Contract		\$ -
<small>(See Attached Sub Invoice for Man Hour Breakdown)</small>		
		\$ -
	(Difference due to rounding)	\$ -
Total Per Invoice Submitted		\$ 2,835.00



L&G Consulting Engineers, Inc.

September 1, 2015

RECEIVED
HIDALGO COUNTY
DRAINAGE DISTRICT #1

SEP 01 2015
11:35 AM / PM
BY: *Rosa*

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 August 2015 on the subject referenced project.

The following is attached:

- L&G's Invoice #11325249
- CD w/ Electronic Files of Data for:
 - Task A (Task 4a)
 - Task B (Task 4b)

TASK		% COMPL
Task A Construction Plans for Liberty Pit Detention Facility		
Task 1a ~ Coordination & Management of ROW and Design Survey, & Geotechnical	L&G	100%
Task Complete – See progress report dated June 1, 2015		
Task 2a ~ (SUB): Field and Design Survey (Utility Locates) - #3 (FC150)	ROW SS	100%
Task Complete – 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%
Task Complete – 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	73.6%
Update – Acquisition of the necessary ROW is continuing in an effort to obtain all parcels quickly and in compliance with Federal Law. The parcels are progressing positively.		
Task 5a ~ (SUB): Geotechnical Exploration & Analyses for Proposed Facility - #2	L&G LAB	100.0%

Task Complete – 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%
Task Complete – See progress report dated January 2, 2015		
Task 7a ~ Plans, Specifications & Estimates (PS&E) for Proposed Facility & 400ft. Zone for Commercial Development	L&G	80.0%
No Update – See progress report dated March 2, 2015		
<u>Task B</u> Construction Plan for South Basin Pit Detention Facility		
Task 1b ~ Coordination & Management of ROW and Design Survey, & Geotechnical	L&G	100%
Task Complete – See progress report dated June 1, 2015		
Task 2b ~ (SUB): Field and Design Survey (Utility Locates) - #3 (FC150)	ROW SS	100%
Task Complete – 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%
Task Complete – 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	55.1%
Update – The negotiations continue with the property owner in an attempt to acquire without condemnation procedures. Coordination with all parties continues which includes Appraiser, Lawyer, ROW staff and County staff.		
Task 5b ~ (SUB): Geotechnical Exploration & Analyses for Proposed Facility - #2	L&G LAB	100.0%
Task Complete – 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%
Task Complete – See progress report dated January 2, 2015		
Task 7b ~ Plans, Specifications & Estimates (PS&E) for Proposed Facility	L&G	85.0%
No Update – See progress report dated August 3, 2015		
<u>Task C</u> Phase I Outfall Development of La Joya Watershed Drainage Master Plan		
Task 1c ~ Coordination & Mgmt of ROW Base Map, Design Survey & Geotechnical	L&G	92.6%
No Update – See progress report dated August 3, 2015		

Task 2c ~ (SUB): Design Surveys (Utility Locates) - #3 (FC150)	ROW SS	85.0%
No Update – 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%
Task Complete – 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%
Task Complete – See progress report dated February 2, 2015		
Task 5c ~ Plans, Specifications & Estimates (PS&E) for Proposed Facility	L&G	70.0%
No Update – See progress report dated August 3, 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

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

**L & G
ENGINEERING**

**Invoice #
11325249**

HCDD#1

08/31/2015

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Hidalgo County Drainage District No. 1

902 North Doolittle Road

Edinburg, Texas 78542

Office: (956) 292-7080

Invoice Processing Checklist/Routing Slip

Invoice/ Backup

Date Received:

9/1/2015

Engineer/Firm Name:

L&G Engineering

Project Name/Number:

Pharr McAllen Drain & South Flood Water Ch. WA NO. 2

Invoice No.:

11325250

Purchase Order No.:

626939

Received By:

Rosa Arce

Forwarded to:

Nora D. Cavazos
Claudette Guerrero

Date: _____
Date: _____

Total # of Pages Submitted:

8

Attachments:

CD

Forwarded to:

Jose N. Saldivar

Date: _____

Forwarded to:

Lora Briones

Date: _____

Additional Comments:

Submitted with Invoice NO. 11325249 Total Pages in all: 14

\$ 31,596.18

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

INVOICE#: 11325250
INVOICE DATE: 8/31/2015

RECEIVED
 HIDALGO COUNTY
 DRAINAGE DISTRICT #1

SEP 01 2015

11:35 AM/PM

BY: *Rosa*

JOB:150302
 Pharr McAllen Drain & South Flood
 Water Channel Watershed Imp. Project
 WA#2 - PO#626939

BILL TO:

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

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
Engineering services for the month of August 2015.						
FC 161 - HYDROLOGY						
16107-Task 1-Coordination with TxDOT-County-City to	17,443.20	10,469.04	3,510.44	13,979.48	80.1	3,463.72
16101-Task 2-Gater/Verify Information Regarding Exhisting	56,492.08	56,492.08		56,492.08	100.0	-
16102-Task 3-Field Reconnaissance for Identification and I	46,225.28	46,225.28		46,225.28	100.0	-
16103-Task 4-Overall Drainage Area Map (Based on S&B & CSI	24,420.74	0.00	12,210.37	12,210.37	50.0	12,210.37
16106-Task 5-Coordination & Support to Hydraulic Engineer	12,235.32	9,487.98	1,389.25	10,877.23	88.9	1,358.09
16140-Task 5a-South Pharr/Las Milpas-S. Floodwater Channe	92,266.16	71,616.94	10,315.52	81,932.46	88.8	10,333.70
16105-Task 6-Meetings & Coordination with County	16,353.00	9,811.80	3,270.60	13,082.40	80.0	3,270.60
	<u>265,435.78</u>	<u>204,103.12</u>	<u>30,696.18</u>	<u>234,799.30</u>		<u>30,636.48</u>
Direct Expenses	4,500.00	2,700.00	900.00	3,600.00	80.0	900.00
	<u>4,500.00</u>	<u>2,700.00</u>	<u>900.00</u>	<u>3,600.00</u>		<u>900.00</u>
TOTALS:	<u><u>269,935.78</u></u>	<u><u>206,803.12</u></u>	<u><u>31,596.18</u></u>	<u><u>238,399.30</u></u>	<u>88.3</u>	<u><u>31,536.48</u></u>

ORIGINAL CONTRACT SUM \$ 269,935.78
 CHANGE BY CHANGE ORDER \$ 0.00
 CONTRACT SUM TO DATE \$ 269,935.78
 TOTAL COMPLETED TO DATE \$ 238,399.30
 LESS PREVIOUS INVOICES \$ 206,803.12
 CURRENT PAYMENT DUE \$ 31,596.18

[Handwritten Signature]
 PROJECT MANAGER'S SIGNATURE

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

Project Workhour Report

Pharr McAllen Drain & South Flood Water Channel Warshed Improvement Project WA#2

Reference:Inv#11325250

Date: 08/31/2015

P.O.#626939

	Hrs		Rate	Total
Senior Project Manager	24.00	X	218.04	\$5,232.96
Senior Engineer	38.00	X	180.66	\$6,865.08
Project Engineer	33.00	X	133.94	\$4,420.02
Senior Engineer Tech	38.00	X	93.45	\$3,551.10
Admin/Clerical	5.00	X	62.3	\$311.50

Grand Total of Hours

\$ 20,380.66

(Difference due to rounding hours)

\$ -

Invoice Summary

Man Hours **\$ 20,380.66**

Sub Contract **\$ 10,315.52**

(See Attached Sub Invoice for Man Hour Breakdown)

Direct Expenses	Current Units		Rate	
20 ft. Long by 3 ft. Tall Exhibits (60sq.ft.)@5.00/sq.ft (15 total Prints)	3	X	300.00	\$ 900.00
				\$ 900.00

(Difference due to rounding)

\$ -

Total Per Invoice Submitted

\$ 31,596.18

South Pharr/Las Milpas-South Floodwater Channel Study
WA No. 10
Monthly Progress Report No. #3 – August 2015

Period of Coverage: August 2015
Date of Submittal: August 25, 2015
Submitted To: David Saenz, P.E.
Prepared By: Civil Systems Engineering Inc.

The purpose of this study is to assist L&G and HCDD1 to evaluate the existing drainage systems conditions and alternative improvement plans to provide outfall and drainage relief to existing storm drainage systems within the South Pharr/Las Milpas area.

Specific Tasks

1. Coordinate meetings L&G, HCDD1, and City of Pharr.
2. Gather information on the existing hydraulic structures, including size, type, and flow line (upstream & downstream) elevations of structures from previous projects.
3. Obtain and review previous study reports.
4. Field visits.
5. LiDAR data processing and recondition.
6. Drainage area delineations using GeoHMS.
7. Drainage and hydrologic parameters estimation.
8. Unit hydrograph generation for subbasins.
9. HEC-HMS model development and modeling analysis for multiple frequencies.
10. Update drainage area delineation, parameters and HEC-HMS modeling for City of Pharr laterals and project specific analyses.
11. South Floodwater Channel HEC-RAS development using HEC-GeoRAS.
12. Integration of LiDAR data and channel cross section survey data.
13. Update South Floodwater Channel HEC-RAS model for surveyed cross-sections and structures
14. 2D-mesh generation for 2D-unsteady overbank areas and laterals.
15. South Floodwater Channel 1D/2D unsteady HEC-RAS model development.
16. Create HEC-RAS models for City of Pharr existing laterals.
17. Existing conditions HEC-RAS modeling analysis to identify system constraints, identify flood problem areas, and improvement opportunities.
18. Analyze City of Pharr proposed lateral configurations.
19. Alternative analysis to optimize alternative improvements to relieve existing flooding problems and provide outfall needs – channel improvement, detention basin, and underground box.
20. Report preparation.

21. Presentation

Progress of Project

1. Coordinate meetings L&G, HCDD1, City of Pharr, and IBWC – coordination with L&G regarding alternative lateral improvements and tailwater conditions of south floodwater channel .
2. Gather information on the existing hydraulic structures, including size, type, and flow line (upstream & downstream) elevations of structures from previous projects – complete.
3. Obtain and review previous study reports – complete.
4. Field visits – complete.
5. LiDAR data processing and recondition – complete.
6. Drainage area delineations using GeoHMS – complete.
7. Drainage and hydrologic parameters estimation – complete.
8. User defined hydrographs - complete.
9. HEC-HMS model development and modeling analysis for multiple frequencies – complete.
10. Update drainage area delineation, parameters and HEC-HMS modeling for City of Pharr/Las Milpas for existing lateral drainage ditches – updated HEC-HMS modeling parameters by comparing with other methods for time of concentration calculation.
11. South Floodwater Channel HEC-RAS development using HEC-GeoRAS – complete.
12. Integration of LiDAR data and channel cross section survey data - complete
13. Update South Floodwater Channel HEC-RAS model for surveyed cross-sections and structures – complete.
14. 2D-mesh generation for 2D-unsteady overbank areas and laterals – revised 2D mesh with updated HEC-RAS 5.0 release updates.
15. South Floodwater Channel 1D/2D unsteady HEC-RAS model development – Performed 1D/2D unsteady RAS modeling analysis for south floodwater channel and computed water surface elevations for 10-, 25-, and 100-year storm events to establish backwater

condition for outfall lateral modeling analysis based on updated 2D mesh and HEC-RAS 5.0.

16. Create HEC-RAS models for City of Pharr/La Milpas area existing laterals – updated steady flow HEC-RAS models for outfall laterals.
17. Existing conditions HEC-RAS modeling analysis to identify system constraints, identify flood problem areas, and improvement opportunities – performed HEC-RAS modeling analysis for each outfall lateral for both existing to identify constraints and improvement opportunities such channel modifications and hydraulic structure replacements for various frequencies of storm events.
18. Analyze City of Pharr proposed lateral ditch configuration.
19. Alternative analysis to optimize alternative improvements to relieve existing flooding problems and provide outfall needs – improvements included channel modification and culvert crossing structures.
20. Report preparation – prepared preliminary presentation for meeting on 9th of September.



**Civil Systems
Engineering, Inc.**

1202 Lake Pointe Parkway
Sugar Land, Texas 77478
(713) 782-3811

INVOICE

Engineering Services
South Pharr/Las Milpas -South Floodwater Channel Study _WA No. 10

L&G Engineering
2100 W. Expressway 83
Mercedes, Texas 78570
Attention: Mr. David Saenz, P.E.

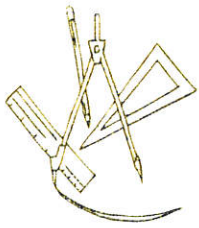
CSE Invoice Number: LG201515
CSE Project Number: LG201503
Invoice Period: 7/26/2015 Through 8/25/2015
Invoice Date: August 25, 2015

Contract Amount		Contract Amount Remaining						
\$92,266.16		\$10,333.70						
Employee Classification	Rate	Previous		This Period		To Date		
		Hr	Total	Hr	Total	Hr	Total	
Project Manager	\$205.80	84.0	\$17,287.20	16.0	\$3,292.80	100.0	\$20,580.00	
Project Engineer	\$178.30	253.0	\$45,109.90	32.0	\$5,705.60	285.0	\$50,815.50	
GIS Specialist	\$164.64	56.0	\$9,219.84	8.0	\$1,317.12	64.0	\$10,536.96	
Subtotal			\$71,616.94		\$10,315.52		\$81,932.46	
TOTAL FEE EARNED:								\$81,932.46
LESS PREVIOUSLY INVOICED:								\$71,616.94
TOTAL AMOUNT DUE THIS INVOICE:								\$10,315.52

Deren Li

Deren Li, Ph.D., P.E., D.WRE
Project Manager

DAS



1048

L&G Consulting Engineers, Inc.

September 1, 2015

RECEIVED
HIDALGO COUNTY
DRAINAGE DISTRICT #1

SEP 01 2015

11:35 AM
BY: *Rosa*

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

RE: Work Authorization #2 on Pharr McAllen Drain & South Flood Water Channel Watershed Improvement Project

Job # 150302
P.O. # 626939

Dear Mr. Sesin,

Attached for your review and approval is our invoice for the services rendered during August 2015 on the subject referenced project.

The following is attached:

- L&G's Invoice #11325250
- CD w/ Electronic Files of Data for:
 - CSE – Monthly Progress Report and Invoice (LG201515) – August 25, 2015
 - Task 1, 4, 5, 5a, 6 & Direct Expenses

TASK		% COMPL
Pharr-McAllen Drain & South Flood Water Channel Watershed Improvement Project		
Task 1 ~ Coordination with Hidalgo Co. Irrigation District #2 on Existing Drainage Facilities & Ownership	L&G	80.1%
Update – L&G has continued coordination in gathering all existing data in the project area associated with Hid. Co. Irrigation District #2 (and verified with City of Pharr) for the project area in Las Milpas.		
Task 2 ~ Gather Information Regarding Existing Hydraulic Structures within South Floodwater Channel Watershed	L&G	100.0%
Task Completed – See progress report dated August 3, 2015		
Task 3 ~ Field Reconnaissance for Identification and Logging of Existing Conditions Along South Floodwater Channel	L&G	100.0%
Task Completed – See progress report dated August 3, 2015		
Task 4 ~ Overall Drainage Area Map (Based on CSE Analysis/Model/Report)	L&G	50.0%
Update – L&G has begun to develop an overall drainage area map of the South Floodwater Channel. The map denotes a master drainage area and contributing sub-watersheds, as delineated by CSE, as well as identifies existing HCDD#1 owned and		

maintained laterals.		
Task 5 ~ Coordination & Support to Hydraulic Engineer for South Pharr/Las Milpas – S. Floodwater Channel Study	L&G	88.9%
Update - L&G has held multiple informal conference calls with CSE discussing progress and plans for the South Floodwater Channel Study. Recorded flow data was requested from HCDD #1 to assist in CSE's calibration/verification of the hydraulic model. Project update and presentation to all parties to be held September 9 th . L&G has provided further QA/QC of HEC-HMS and 2D HEC-RAS files provided (need calibration of hydraulic model based on requested gauge data).		
Task 5a ~ (SUB): CSE ~ South Pharr/Las Milpas – S. Floodwater Channel Study	CSE	88.8%
Update - See progress report from CSE dated August 25, 2015 (see attached)		
Task 6 ~ Meetings & Coordination with County, HCDD#1, HCID#2, City of McAllen, City of Pharr	L&G	80.0%
Update – L&G has arranged for a meeting on September 9 th to present the results of the modeling efforts to date with City of Pharr, Hidalgo County Pct. 2, and Hidalgo County Drainage District. In addition, many informal coordination meetings have been held with multiple parties to discuss project. L&G has continued to coordinate with HCDD #1 to retrieve recorded flow data at the US281 (Cage Blvd) crossing gauge station.		
Direct Expenses	L&G	80.0%
Update – Direct Expenses is intended to cover all printed documents internal or otherwise completed at various intervals of the project and billed out as a percentage complete basis of the overall project. Under this function, L&G has produced various exhibits as part of the working process and has provided these prints to Hidalgo County Precinct No. 2, City of Pharr and HCDD #1.		

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

**Pharr McAllen Drain &
South Flood Water Channel
Watershed Improvement Project
Work Authorization #2**

**Invoice #
11325250**

HCDD#1

08/31/2015

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