

L&G Engineering

Transportation Consultants

May 26, 2017

Commissioner Joseph Palacios
Attn: Maria "Lulu" Lucio
Hidalgo County Precinct No. 4
1102 N. Doolittle Rd.
Edinburg, TX 78539

RE: RE: Work Authorization No.4- "Building Renovation Design & Site Improvement for Hidalgo County Pct. No. 4 Sanitation Collection Facility and M Road Building" Project In Hidalgo County Precinct No. Four (4)

Dear Ms. Lucio:

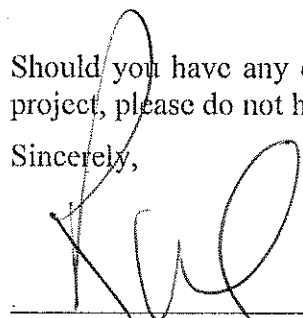
Attached for your review and approval is our invoice for the services rendered under Work Authorization #4 on the subject referenced project for the month of May.

The following is attached:

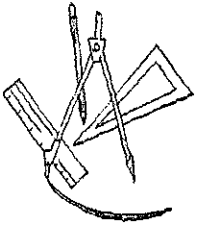
- L&G's Invoice # 17-5-000003
- Test Reports and progress letters as prepared and forwarded to Pct. No. 4 and all parties involved on the project.

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

Sincerely,



Ricardo A. Gil
General Manager
Laboratory Operations



L&G Engineering

Transportation Consultants

May 26, 2017

Commissioner Joseph Palacios
Attn: Maria "LuLu" Lucio
Hidalgo County, Pct. #4
1102 N. Doolittle Rd.
Edinburg, Texas 78539

RE: Sanitation Collection Facility (WA #4)

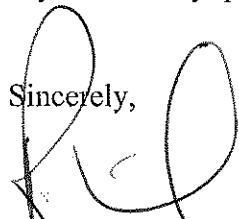
Dear Ms. Lucio:

Included for your use with this letter, are test reports **R001 thru R006** for **Field & Laboratory Moisture Density and Field Density Testing** performed on the above referenced project. It should be noted that all test results have met or exceeded requirements.

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

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

Sincerely,



Ricardo A. Gil
General Manager

Attachments

CC: Synergy Builders of Texas
Steven Cruz (Hidalgo County)
Regino Salinas (Hidalgo County)
Trey Murray (Halff Assoc.)
Juan de Dios Chavez (Halff Assoc.)

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

Client Address: Hidalgo County Pct. #4
 Maria Lucio, Program Manager
 1102 N. Doolittle Rd.
 Edinburg, TX. 78539

Account No.: E130
Project No: E1301701
Project Desc.: Sanitation Collection Facility

Due Date: UPON RECEIPT

Budget/Remaining: \$10,357.89 / \$8,007.51

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

	<u>Unit Rate</u>	<u>Qty</u>	<u>Extension</u>
910:91004 - Atterberg Limits Det	\$82.05	3.00	\$246.15
910:91006 - Materials Finer #200	\$68.46	2.00	\$136.92
910:91009 - M-D ASTM D698 (Standard Proctor) (each)	\$211.99	3.00	\$635.97
910:91011 - Field Density (Nuclear Method)	\$24.63	6.00	\$147.78
940:94048 - Eng. Tech. (Soils / SP.)	\$52.88	11.00	\$581.68
940:94054 - Laboratory Manager	\$105.76	1.50	\$158.64
940:94055 - Project Engineer	\$133.76	1.50	\$200.64
950:95058 - Vehicle Trip Charge	\$0.55	176.00	\$96.80
950:95061 - Test Report	\$24.30	6.00	\$145.80
Total for this Invoice:			\$2,350.38

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

<u>Report No.</u>	<u>Sampled</u>	<u>Qty</u>	<u>Billing Code</u>	<u>Unit Type</u>	<u>Unit Rate</u>	<u>Extension</u>
R001	05/15/2017	1.00	910:91004 - Atterberg Limits Det	Each	\$82.05	\$82.05
R001	05/15/2017	1.00	910:91006 - Materials Finer #200	Each	\$68.46	\$68.46
R001	05/15/2017	1.00	910:91009 - M-D ASTM D698 (Standard Proctor) (each)	Each	\$211.99	\$211.99
R001	05/15/2017	1.00	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$52.88	\$52.88
R001	05/15/2017	0.25	940:94054 - Laboratory Manager	Hour	\$105.76	\$26.44
R001	05/15/2017	0.25	940:94055 - Project Engineer	Hour	\$133.76	\$33.44
R001	05/15/2017	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R001 for a Subtotal of:						\$499.56

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

Net 30 Days

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

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

<u>Report No.</u>	<u>Sampled</u>	<u>Qty</u>	<u>Billing Code</u>	<u>Unit Type</u>	<u>Unit Rate</u>	<u>Extension</u>
R005	05/17/2017	44.00	950:95058 - Vehicle Trip Charge	Mile	\$0.55	\$24.20
R005	05/17/2017	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
<i>Report Number R005 for a Subtotal of:</i>						\$263.40
R006	05/18/2017	3.00	910:91011 - Field Density (Nuclear Method)	Each	\$24.63	\$73.89
R006	05/18/2017	2.00	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$52.88	\$105.76
R006	05/18/2017	0.25	940:94054 - Laboratory Manager	Hour	\$105.76	\$26.44
R006	05/18/2017	0.25	940:94055 - Project Engineer	Hour	\$133.76	\$33.44
R006	05/18/2017	44.00	950:95058 - Vehicle Trip Charge	Mile	\$0.55	\$24.20
R006	05/18/2017	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
<i>Report Number R006 for a Subtotal of:</i>						\$288.03
Total for this Invoice:						\$2,350.38

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

Net 30 Days

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

**PROCTOR
TEST REPORT**

Project Description: Sanitation Collection Facility
 Client: Hidalgo County Pct. #4
 Contractor: Hidalgo County Pct. #4

L&G Project Number: E1301701
 L&G Report Number: R001
 Sample Date: 05/15/2017
 Date Reported: 05/23/2017

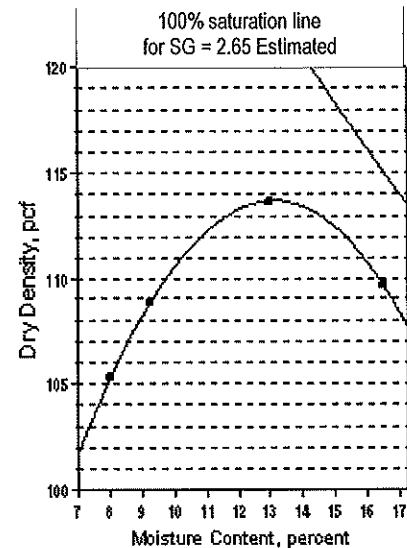
Compaction Method: ASTM D-698
 Material Description: Select Fill

Specific Gravity: 2.65

Liquid Limit: 26
 Plastic Limit: 15
 Plasticity Index: 11
 % Passing No. 200: 48
 Group Symbol: SC

Specimen No.:	1	2	3	4
Moisture, %:	8.1	9.2	12.9	16.4
Dry Density (pcf):	105.6	108.9	113.6	109.9

Maximum Dry Density in P.C.F.: 113.7
 Optimum Moisture (%): 13.1



Remarks: Sampled from Filigonia Pit (Stockpile)
 Test Method: ASTM D-698 Method-A, ASTM D-4318, ASTM D-1140

Orig: Hidalgo County Pct. #4 (E130) (Hidalgo County Pct. #4)
 (Edinburg, TX) Attn: Maria Lucio
 (1-cc copy)
 1-cc Hidalgo County Pct. #4 (E130) (Hidalgo County Pct. #4)
 Attn: Maria Lucio
 1-cc Laboratory

Respectfully Submitted,
 L&G Engineering

Ricardo A. Gil, Lab Manager

**PROCTOR
 TEST REPORT**

Project Description: Sanitation Collection Facility
 Client: Hidalgo County Pct. #4
 Contractor: Hidalgo County Pct. #4

L&G Project Number: E1301701
 L&G Report Number: R002
 Sample Date: 05/15/2017
 Date Reported: 05/23/2017

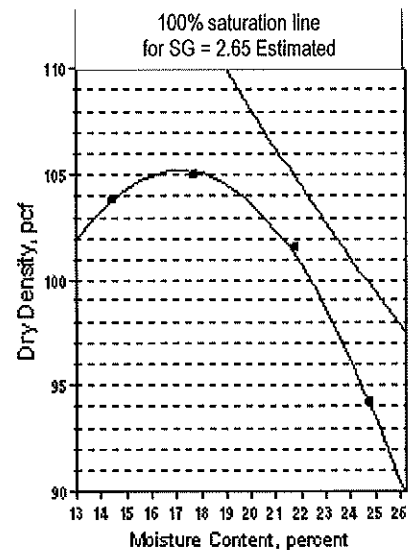
Compaction Method: ASTM D-698
 Material Description: In-situ Subgrade

Specific Gravity: 2.65

Liquid Limit: 42
 Plastic Limit: 13
 Plasticity Index: 29
 % Passing No. 200: 63
 Group Symbol: CL

Specimen No.:	1	2	3	4
Moisture, %:	14.4	17.8	21.7	24.8
Dry Density (pcf):	103.7	105.0	101.5	94.10

Maximum Dry Density in P.C.F.: 105.2
 Optimum Moisture (%): 17.1



Remarks: Sampled from jobsite (Stockpile)
 Test Method: ASTM D-698 Method-A, ASTM D-4318, ASTM D-1140

Orig: Hidalgo County Pct. #4 (E130) (Hidalgo County Pct. #4)
 (Edinburg, TX) Attn: Maria Lucio
 (1-cc copy)
 1-cc Hidalgo County Pct. #4 (E130) (Hidalgo County Pct. #4)
 Attn: Maria Lucio
 1-cc Laboratory

Respectfully Submitted,
 L&G Engineering

Ricardo A. Gil, Lab Manager

**PROCTOR
TEST REPORT**

Project Description: Sanitation Collection Facility
 Client: Hidalgo County Pct. #4
 Contractor: Hidalgo County Pct. #4

L&G Project Number: E1301701
 L&G Report Number: R003
 Sample Date: 05/15/2017
 Date Reported: 05/18/2017

Page 1 of 1

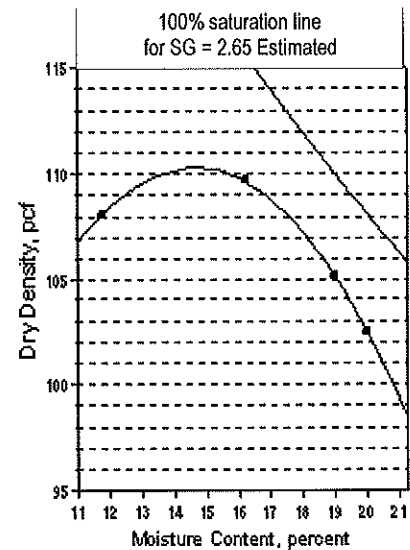
Compaction Method: ASTM D-698
 Material Description: Salvage Base Material

Specific Gravity: 2.65

Liquid Limit: 35
 Plastic Limit: 20
 Plasticity Index: 15

Specimen No.:	1	2	3	4
Moisture, %:	11.8	16.3	18.9	19.9
Dry Density (pcf):	108.1	109.7	105.1	102.8

Maximum Dry Density in P.C.F.: 110.2
 Optimum Moisture (%): 14.7



Remarks: Sampled from jobsite (Stockpile)
 Test Method: ASTM D-698 Method-A, ASTM D-4318

Orig: Hidalgo County Pct. #4 (E130) (Hidalgo County Pct. #4)
 (Edinburg, TX) Attn: Maria Lucio
 (1-cc copy)
 1-cc Hidalgo County Pct. #4 (E130) (Hidalgo County Pct. #4)
 Attn: Maria Lucio
 1-cc Laboratory

Respectfully Submitted,
 L&G Engineering



Ricardo A. Gil, Lab Manager

FIELD DENSITIES TEST REPORT

Project Description: Sanitation Collection Facility
 Client: Hidalgo County Pct. #4
 Contractor: Hidalgo County Pct. #4

L&G Project Number: E1301701
 L&G Report Number: R004
 Sample Date: 05/15/2017
 Date Reported: 05/15/2017

Page 1 of 1

Specification No.	Specification Required % Proctor	Moisture Tolerance	
		Minimum	Maximum
1	95	15.1	20.1
2	95	12.7	17.7

Proctor No	Optimum % Moisture	Opt. Density, LB/CF
IS MD2	17.1	105.2
SVB MD1	14.7	110.2

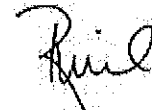
Material Description In-Situ Subgrade/ Salvage Base

Test No.	Test Location	Proctor No	Spec. No.	Moisture Content	Dry Density	Percent Compaction	Depth (inch)
3	Building Pad 15' S. 12' E. of N.W. Corner Final Lift	IS MD2	1	16.3%	108.0 pcf	102.7% (Pass)	6"
1	Building Pad 40' S. 20' E. of N.W. Corner Final Lift	SVB MD1	2	11.0%	120.8 pcf	109.6% (Fail)	6"
2	Building Pad 10'S. 50' E. of N.W. Corner Final Lift	SVB MD1	2	11.7%	121.8 pcf	110.5% (Fail)	6"

Remarks: Field Test No.S' 1&2 Failed to Meet Requirements .
 Test Methods: ASTM D2922, D3017

Orig: Hidalgo County Pct. #4 (E130) (Hidalgo County Pct. #4)
 (Edinburg, TX) Attn: Maria Lucio
 (1-cc copy)
 1-cc Hidalgo County Pct. #4 (E130) (Hidalgo County Pct. #4)
 Attn: Maria Lucio
 1-cc Laboratory

Respectfully Submitted,
 L&G Engineering



 Ricardo A. Gil, Lab Manager

Rick Gil

From: Maria Lucio [maria.lucio@co.hidalgo.tx.us]
Sent: Friday, May 12, 2017 11:12 AM
To: Rick Gil
Cc: Synergy Builders Of Texas; steven cruz; regino salinas; Murray, Trey; Juan de Dios Chávez; Nick Perez
Subject: Recovery and Motor Pool Project-C-15-3010-09-15 WA4
Importance: High

Good Morning Rick,

As per your on call contract C-15-3010-09-15 WA#4, please schedule moisture density testing for Monday, May 15, 2017 at 9:00am.
A representative from the contractor and County will be there, thank you!

Respectfully,

Lulu Lucio, CPM
Executive Assistant
Hidalgo County Precinct #4
Ph: 956- 292-7000 Ext. 4026
Fax:956-381-5905
maria.lucio@co.hidalgo.tx.us

----- Forwarded Message -----

From: "Synergy Builders Of Texas" <estimating@synergybuildersoftexas.com>
To: "Maria Lucio" <maria.lucio@co.hidalgo.tx.us>
Cc: "steven cruz" <steven.cruz@co.hidalgo.tx.us>, "regino salinas" <regino.salinas@co.hidalgo.tx.us>, "Trey Murray" <tmurray@halff.com>, "Juan de Dios Chávez" <jchavez@halff.com>
Sent: Thursday, May 11, 2017 8:13:41 PM
Subject: Re: Recovery and motor pool project

9:00am

Sent from my iPhone

> On May 11, 2017, at 7:56 PM, Maria Lucio <maria.lucio@co.hidalgo.tx.us> wrote:
>
> What time on Monday ?
>
> Sent from my iPhone
>
>> On May 11, 2017, at 7:55 PM, Synergy Builders Of Texas <estimating@synergybuildersoftexas.com> wrote:
>>
>> Can we schedule them for Monday please.
>>
>> George
>>
>>> On May 11, 2017, at 2:57 PM, Maria Lucio <maria.lucio@co.hidalgo.tx.us> wrote:
>>>
>>> Good Afternoon George,
>>>

>>> Please let me know what day and time you will need testing so that I can advise the lab.
>>> We normally ask for a 24 hour notice via email so that we can forward to the lab.
>>>
>>> Thank you!
>>>
>>> Respectfully,
>>>
>>> Lulu Lucio, CPM
>>> Executive Assistant
>>> Hidalgo County Precinct #4
>>> Ph: 956- 292-7000 Ext. 4026
>>> Fax:956-381-5905
>>> maria.lucio@co.hidalgo.tx.us
>>>
>>> ----- Original Message -----
>>> From: "Synergy Builders Of Texas" <estimating@synergybuildersoftexas.com>
>>> To: "Maria Lucio" <maria.lucio@co.hidalgo.tx.us>
>>> Sent: Thursday, May 11, 2017 2:50:24 PM
>>> Subject: Recovery and motor pool project
>>>
>>> Lulu,
>>> Can we please have L&G provide us with a moisture density determination for the above
mentioned project.
>>>
>>> Let me know if you have questions.
>>>
>>> Thanks
>>> George
>>

**FIELD DENSITIES
TEST REPORT**

Project Description: Sanitation Collection Facility
 Client: Hidalgo County Pct. #4
 Contractor: Hidalgo County Pct. #4

L&G Project Number: E1301701
 L&G Report Number: R005
 Sample Date: 05/18/2017
 Date Reported: 05/18/2017

Page 1 of 1

Material Description Salvage Base

Required % Proctor 95 Moisture Tolerance -2+3

Proctor No	Optimum % Moisture	Opt. Density, LB/CF
SVB MD1	14.7	110.2

Test No.	Test Location	Proctor No	Moisture Content	Dry Density	Percent Compaction	Depth (inch)
1	(RETEST) Building Pad 15' S. 40' E. of N.W. Corner Final Lift	SVB MD1	14.5%	113.9 pcf	103.4% (Pass)	6"
2	(RETEST) Building Pad 45' S. 20' E. of N.W. Corner Final Lift	SVB MD1	14.2%	117.7 pcf	106.8% (Pass)	6"

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

Orig: Hidalgo County Pct. #4 (E130) (Hidalgo County Pct. #4)
 (Edinburg, TX) Attn: Maria Lucio
 (1-cc copy)
 1-cc Hidalgo County Pct. #4 (E130) (Hidalgo County Pct. #4)
 Attn: Maria Lucio
 1-cc Laboratory

Respectfully Submitted,
 L&G Engineering



 Ricardo A. Gil, Lab Manager

**FIELD DENSITIES
TEST REPORT**

Project Description: Sanitation Collection Facility
 Client: Hidalgo County Pct. #4
 Contractor: Hidalgo County Pct. #4

L&G Project Number: E1301701
 L&G Report Number: R006
 Sample Date: 05/19/2017
 Date Reported: 05/19/2017

Page 1 of 1

Material Description	Select Fill		
Required % Proctor	95	Moisture Tolerance	-2+3
	Proctor No	Optimum % Moisture	Opt. Density, LB/CF
	SLF MD3	13.1	113.7

Test No.	Test Location	Proctor No	Moisture Content	Dry Density	Percent Compaction	Depth (inch)
1	Storage Pad 25' W. 5' S. of N.E. Corner 1st Lift	SLF MD3	14.0%	111.9 pcf	98.4% (Pass)	6"
2	Storage Pad 30'E. 20' S. of N.W. Corner 1st Lift	SLF-MD3	12.5%	111.2 pcf	97.8% (Pass)	6"
3	Storage Pad 28' E. 10' N. of S.W. Corner 1st Lift	SLF MD3	14.0%	110.8 pcf	97.4% (Pass)	6"

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

Orig: Hidalgo County Pct. #4 (E130) (Hidalgo County Pct. #4)
 (Edinburg, TX) Attn: Maria Lucio
 (1-cc copy)
 1-cc Hidalgo County Pct. #4 (E130) (Hidalgo County Pct. #4)
 Attn: Maria Lucio
 1-cc Laboratory

Respectfully Submitted,
 L&G Engineering



Ricardo A. Gil, Lab Manager

Rick Gil

From: Nick Perez [nick.perez@co.hidalgo.tx.us]
Sent: Thursday, May 18, 2017 9:34 AM
To: Rick Gil
Cc: steven cruz; Sabrina Rodriguez
Subject: Material Test

Good Morning Rick,

As per your on call contract C-15-301-09-15 WA#4, please schedule moisture density testing for Thursday May 18 at 4:00pm and for Friday May 19 at 1:00pm.
A representative from the contractor and County will be there, thank you!
P.O. 745536.

Respectfully,

Nick Perez

Hidalgo County Pct.#4
1051 N. Doolittle Rd.
Edinburg, TX 78539

Office: (956)383-3112 Ext. 4008
Fax: (956)381-5905
E-Mail: Nick.Perez@co.hidalgo.tx.us



Purchase Order COUNTY OF HIDALGO

PO# 762125

DATE: 05/19/17

PAGE NO: 1 Of 1

PO TYPE:

VENDOR: 280046

REQ: 00342651

PHONE: (956) 565-9813

Fax: (956) 565-6746

EMAIL:

SHIP TO: HIDALGO CO. PCT 4

1051 N. DOOLITTLE

EDINBURG TX 78542

L & G CONSULTING ENGINEERS, INC.

2100 W. EXPRESSWAY 83

MERCEDES TX 78570

CONTACT: VLopez

(956) 383-3112

SITE: COMMISSIONER, PRECINCT 4

CONTRACT NO: C-15-301-09-15

SPECIAL INSTRUCTIONS: Pct. 4 Req # 640

VENDOR NOTES

1. Do not add to, or alter this Purchase Order. This Order is not renewable.
2. TAX EXEMPTION: This Purchase Order may be accepted in lieu of Exemption Certificate.
3. This Order is also placed F.O.B. Destination. Vendor must repay all shipping costs.
4. Invoice each Purchase Order singly. Original invoices are required customer copy may be accepted. Out number must appear on all invoices, bills of lading, and packages.
5. Payment will be made only for bona fide and full completed orders, unless otherwise attached.

QTY	UOM	DESCRIPTION	UNIT PRICE	AMOUNT
		DO NOT DUPLICATE ORDER		
		C-15-301-09-15 EXP. UPON COMPLETION CC APPROVAL ON 05/25/2016, AI-54661 For: Sanitation Collection Facility and "M" Road Building See Original PO# 745536		
1.00	EACH	CC Work Authorization No. 4 as submitted by project engineer, L&G Engineering for Project: "Construction Material Testing" for Sanitation Collection Facility and "M" Road Building for Hidalgo County Precinct No. 4	10,357.89	10,357.89
		TOTAL:		10,357.89
		REPORT ROAD HAZARDS 1-866-HCR-SAFE OR 1-866-427-7233 ***** For Hidalgo County use only 7-1100-419-00-124-125-0-452		
			10,357.89	

Authorized by: Martha L Salazar