

November 29, 2016

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

**RE: San Carlos CRC Sunflower Walking Trail & Sunflower Park**  
**Contract No. # C-15-301-09-15 - Work Authorization #5**  
**Project No. # E130603**  
**P.O. # 746888**

Dear Ms. Lucio:

Attached for your review and approval is our invoice for the services rendered under Work Authorization #5 on the subject referenced project for the month of November.

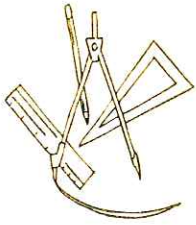
The following is attached:

- L&G's Invoice #16-11-000005
- 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



November 29, 2016

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

**RE: San Carlos CRC Sunflower Park Concrete Walking Trail (WA #5)**

Dear Ms. Lucio:

Included for your use with this letter, are test reports **R001 thru R004** for **Construction Material Testing** performed on the above referenced project. As noted on test reports **R002 & R003**, several locations failed to meet requirements. These locations were re-tested and meet or exceed requirements. Also included for your information, is an invoice for the services provided.

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

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

Sincerely,

Ricardo A. Gil  
General Manager

Attachments

CC: Vanguard Engineering

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:** E130603  
**Project Desc.:** San Carlos CRC Sunflower Park Concrete  
 Walking Trail (WA #5)

**Due Date:** UPON RECEIPT  
**Budget/Remaining:** \$11,351.46 / \$9,896.67  
**PO:** 746888

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

	<u>Unit Rate</u>	<u>Qty</u>	<u>Extension</u>
910:91004 - Atterberg Limits Det	\$82.05	1.00 -	\$82.05 ✓
910:91006 - Materials Finer #200	\$68.46	1.00 ✓	\$68.46 ✓
910:91009 - M-D ASTM D698 (Standard Proctor) (each)	\$211.99	1.00 -	\$211.99 ✓
910:91011 - Field Density (Nuclear Method)	\$24.63	11.00 ✓	\$270.93 ✓
940:94048 - Eng. Tech. (Soils / SP.)	\$52.88	8.00 ✓	\$423.04 ✓
940:94054 - Engineering Specialist (Lab Mgr.)	\$105.76	1.00	\$105.76 ✓
940:94055 - Engineer / P.E.	\$133.76	1.00	\$133.76 ✓
950:95058 - Vehicle Trip Charge	\$0.55	112.00	\$61.60 ✓
950:95061 - Test Report	\$24.30	4.00	\$97.20 ✓
<b>Total for this Invoice:</b>			<b>\$1,454.79 ✓</b>

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

<u>Report No.</u>	<u>Sampled</u>	<u>Qty</u>	<u>Billing Code</u>	<u>Unit Type</u>	<u>Unit Rate</u>	<u>Extension</u>
R001	10/31/2016	1.00	910:91004 - Atterberg Limits Det	Each	\$82.05 ✓	\$82.05
R001	10/31/2016	1.00	910:91006 - Materials Finer #200	Each	\$68.46 ✓	\$68.46
R001	10/31/2016	1.00	910:91009 - M-D ASTM D698 (Standard Proctor) (each)	Each	\$211.99 ✓	\$211.99
R001	10/31/2016	1.50 ✓	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$52.88	\$79.32
R001	10/31/2016	0.25 ✓	940:94054 - Engineering Specialist (Lab Mgr.)	Hour	\$105.76	\$26.44
R001	10/31/2016	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44
R001	10/31/2016	28.00	950:95058 - Vehicle Trip Charge	Mile	\$0.55	\$15.40

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

**Net 30 Days**

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

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

<u>Report No.</u>	<u>Sampled</u>	<u>Qty</u>	<u>Billing Code</u>	<u>Unit Type</u>	<u>Unit Rate</u>	<u>Extension</u>
R001	10/31/2016	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R001 for a Subtotal of:						\$541.40
R002	10/27/2016	5.00	910:91011 - Field Density (Nuclear Method)	Each	\$24.63	\$123.15
R002	10/27/2016	2.50	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$52.88	\$132.20
R002	10/27/2016	0.25	940:94054 - Engineering Specialist (Lab Mgr.)	Hour	\$105.76	\$26.44
R002	10/27/2016	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44
R002	10/27/2016	28.00	950:95058 - Vehicle Trip Charge	Mile	\$0.55	\$15.40
R002	10/27/2016	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R002 for a Subtotal of:						\$354.93
R003	11/02/2016	3.00	910:91011 - Field Density (Nuclear Method)	Each	\$24.63	\$73.89
R003	11/02/2016	2.00	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$52.88	\$105.76
R003	11/02/2016	0.25	940:94054 - Engineering Specialist (Lab Mgr.)	Hour	\$105.76	\$26.44
R003	11/02/2016	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44
R003	11/02/2016	28.00	950:95058 - Vehicle Trip Charge	Mile	\$0.55	\$15.40
R003	11/02/2016	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R003 for a Subtotal of:						\$279.23
R004	11/16/2016	3.00	910:91011 - Field Density (Nuclear Method)	Each	\$24.63	\$73.89
R004	11/16/2016	2.00	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$52.88	\$105.76
R004	11/16/2016	0.25	940:94054 - Engineering Specialist (Lab Mgr.)	Hour	\$105.76	\$26.44
R004	11/16/2016	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44
R004	11/16/2016	28.00	950:95058 - Vehicle Trip Charge	Mile	\$0.55	\$15.40
R004	11/16/2016	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R004 for a Subtotal of:						\$279.23
<b>Total for this Invoice:</b>						<b>\$1,454.79</b>

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

**Net 30 Days**



Zimbra

maria.lucio@co.hidalgo.tx.us

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**RE: WA5-L&G Eng-(CMT)Concrete Walking Trail at San Carlos CRC - Sunflower Park-Pct 4 Request for Testing**

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**From :** Rick Gil <rgil@lgengineers.com>

Thu, Oct 27, 2016 03:32 PM

**Subject :** RE: WA5-L&G Eng-(CMT)Concrete Walking Trail at San Carlos CRC - Sunflower Park-Pct 4 Request for Testing**To :** Maria Lucio <maria.lucio@co.hidalgo.tx.us>, Celia Almaguer <calmaguerca@lgengineers.com>, Billy Ortiz <bortiz@lgengineers.com>**Cc :** steven cruz <steven.cruz@co.hidalgo.tx.us>, Roman rodriguez (Pct 4) <roman.rodriguez@co.hidalgo.tx.us>, jaime guerra <jaime.guerra@co.hidalgo.tx.us>, juan carranza <juan.carranza@co.hidalgo.tx.us>, Manuel Leal <mleal.gandg@gmail.com>, Irma Rodriguez <irma.gandgcontractors@gmail.com>, Emigdio Salinas <milo@lefevregroup.net>

We will schedule your request.

Rick

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**From:** Maria Lucio [mailto:maria.lucio@co.hidalgo.tx.us]**Sent:** Thursday, October 27, 2016 3:27 PM**To:** Rick Gil; Celia Almaguer**Cc:** steven cruz; Roman rodriguez (Pct 4); jaime guerra; juan carranza; Manuel Leal; Irma Rodriguez; Emigdio Salinas**Subject:** WA5-L&G Eng-(CMT)Concrete Walking Trail at San Carlos CRC - Sunflower Park-Pct 4 Request for Testing**Importance:** High

Good Afternoon,

As per your on call contract C-15-301-09-15 (Work Authorization #5 for **CMT services to Project: Concrete Walking Trail at (San Carlos CRC) Sunflower Park** within **Pct 4**, we would like to request the following:

1. Compaction testing for the concrete trails

Please let this email serve as the formal request to begin testing Friday, October 28th at **1:00 pm**. A representative from the County and Contractor will be there. Should you have any questions or need anything else please let me know. Thank you, have a great day!

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](mailto:maria.lucio@co.hidalgo.tx.us)

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## PROCTOR TEST REPORT

Project Description: San Carlos CRC Sunflower Park Concrete Walking Trail (WA #5) L&G Project Number: E130603  
 Client: Hidalgo County Pct. #4 L&G Report Number: R001  
 Sample Date: 10/31/2016  
 Date Reported: 11/16/2016

Client PO: 746888

Page 1 of 1

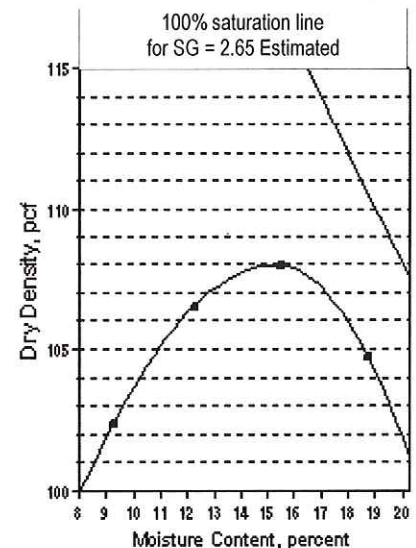
Compaction Method: ASTM D-698  
 Material Description: Select Fill

Specific Gravity: 2.65

Liquid Limit: 41  
 Plastic Limit: 20  
 Plasticity Index: 21  
 % Passing No. 200: 66  
 Group Symbol: CL

Specimen No.:	1	2	3	4
Moisture, %:	9.2	12.3	15.4	18.7
Dry Density (pcf):	102.3	106.5	108.0	104.8

Maximum Dry Density in P.C.F.: 108.0  
 Optimum Moisture (%): 15.3



**Remarks:** Sampled from NW Side of Walking Trail  
**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 Laboratory

Respectfully Submitted,  
 L&G Engineering



Ricardo A. Gil, Lab Manager

**Cc:** "Maria Lucio" <maria.lucio@co.hidalgo.tx.us>, "Celia Almaguer" <calmaguerca@lgengineers.com>, "Billy Ortiz" <bortiz@lgengineers.com>, "Roman rodriguez (Pct 4)" <roman.rodriguez@co.hidalgo.tx.us>, "jaime guerra" <jaime.guerra@co.hidalgo.tx.us>, "juan carranza" <juan.carranza@co.hidalgo.tx.us>, "Manuel Leal" <mleal.gandg@gmail.com>, "Irma Rodriguez" <irma.gandgcontractors@gmail.com>, "Emigdio Salinas" <milo@lefevregrroup.net>  
**Sent:** Monday, October 31, 2016 9:31:13 AM  
**Subject:** RE: WA5-L&G Eng-(CMT)Concrete Walking Trail at San Carlos CRC - Sunflower Park-Pct 4 Request for Testing

Good Morning....

I will send a technician out shortly.  
Thanks,

Rick Gil

**From:** Steven Cruz [mailto:steven.cruz@co.hidalgo.tx.us]  
**Sent:** Monday, October 31, 2016 9:32 AM  
**To:** Rick Gil  
**Cc:** Maria Lucio; Celia Almaguer; Billy Ortiz; Roman rodriguez (Pct 4); jaime guerra; juan carranza; Manuel Leal; Irma Rodriguez; Emigdio Salinas  
**Subject:** Re: WA5-L&G Eng-(CMT)Concrete Walking Trail at San Carlos CRC - Sunflower Park-Pct 4 Request for Testing

Good Morning Mr. Gil,

Lulu is out this morning so I am emailing you on her behalf.

As per your on call contract C-15-301-09-15 (Work Authorization #5 for **CMT services to Project: Concrete Walking Trail at (San Carlos CRC) Sunflower Park** within **Pct 4**, we would like to request the following:

1. New proctor test for the walking trails at Sunflower Park.

Please let this email serve as the formal request to begin today. Please let us know of the time and we will have a representative out there. Should you have any questions or need anything else please let me know. Thank you!

Steven Cruz  
Director of Operations

On Oct 27, 2016, at 3:34 PM, Rick Gil <rgil@lgengineers.com> wrote:

We will schedule your request.

Rick

**From:** Maria Lucio [mailto:maria.lucio@co.hidalgo.tx.us]  
**Sent:** Thursday, October 27, 2016 3:27 PM  
**To:** Rick Gil; Celia Almaguer  
**Cc:** steven cruz; Roman rodriguez (Pct 4); jaime guerra; juan carranza; Manuel Leal; Irma Rodriguez; Emigdio Salinas



## Daisy Bustamante

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**From:** Celia Almaguer  
**Sent:** Wednesday, November 02, 2016 11:37 AM  
**To:** Billy Ortiz  
**Cc:** Daisy Bustamante  
**Subject:** FW: WA5-L&G Eng-(CMT)Concrete Walking Trail at San Carlos CRC - Sunflower Park-Pct 4 Request for Testing

Billy,

See dispatch request below.

*Celia Almaguer*  
*Administrative Assistant*  
*L&G Engineering*  
*2100 W. Expressway 83*  
*Mercedes, TX 78570*  
*[calmaguer@lgengineers.com](mailto:calmaguer@lgengineers.com)*  
*[www.lgengineers.com/laboratory](http://www.lgengineers.com/laboratory)*

Phone (956) 565-0760 ext. 217  
Fax (956) 565-6746

**From:** Steven Cruz [<mailto:steven.cruz@co.hidalgo.tx.us>]  
**Sent:** Wednesday, November 02, 2016 11:26 AM  
**To:** Rick Gil  
**Cc:** Maria Lucio; Celia Almaguer; Billy Ortiz; Roman rodriguez (Pct 4); jaime guerra; juan carranza; Manuel Leal; Irma Rodriguez; Emigdio Salinas  
**Subject:** Re: WA5-L&G Eng-(CMT)Concrete Walking Trail at San Carlos CRC - Sunflower Park-Pct 4 Request for Testing

Good Morning Mr. Gil,

Lulu is out is still out so I am emailing you on her behalf.

As per your on call contract C-15-301-09-15 (Work Authorization #5 for **CMT services** to **Project: Concrete Walking Trail** at **(San Carlos CRC) Sunflower Park** within **Pct 4**, we would like to request the following:

1. Testing for moisture content for the walking trails for the Sunflower Park Project.

Please let this email serve as the formal request to begin today. Please let us know of the time and we will have a representative out there. Should you have any questions or need anything else please let me know. Thank you!

Steven Cruz  
Director of Operations

---

**From:** "Rick Gil" <[rgil@lgengineers.com](mailto:rgil@lgengineers.com)>  
**To:** "Steven Cruz" <[steven.cruz@co.hidalgo.tx.us](mailto:steven.cruz@co.hidalgo.tx.us)>

**Subject:** WA5-L&G Eng-(CMT)Concrete Walking Trail at San Carlos CRC - Sunflower Park-Pct 4 Request for Testing

**Importance:** High

Good Afternoon,

As per your on call contract C-15-301-09-15 (Work Authorization #5 for **CMT services** to **Project: Concrete Walking Trail** at **(San Carlos CRC) Sunflower Park** within **Pct 4**, we would like to request the following:

1. Compaction testing for the concrete trails

Please let this email serve as the formal request to begin testing Friday, October 28th at **1:00 pm**. A representative from the County and Contractor will be there. Should you have any questions or need anything else please let me know. Thank you, have a great day!

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](mailto:maria.lucio@co.hidalgo.tx.us)

## FIELD DENSITIES TEST REPORT

Project Description: San Carlos CRC Sunflower Park Concrete Walking Trail (WA #5) L&G Project Number: E130603  
 Client: Hidalgo County Pct. #4 L&G Report Number: R004  
 Sample Date: 11/16/2016  
 Date Reported: 11/16/2016

Client PO: 746888

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Specification No.	Specification	Moisture Tolerance	
	Required % Proctor	Minimum	Maximum
1	95	13.3	18.3
2	95	13.3	18.3

Proctor No	Optimum % Moisture	Opt. Density, LB/CF
IS MD1	15.3	108.0

**Material Description** In situ Subgrade

Test No.	Test Location	Proctor No	Spec. No.	Moisture Content	Dry Density	Percent Compaction	Depth (inch)
1	East Side Trail 60' North of Parking Lot	IS MD1	1	15.3%	107.3 pcf	99.4% (Pass)	6"
2	East Side Trail 130' North of Parking Lot	IS MD1	1	17.4%	103.8 pcf	96.1% (Pass)	6"
3	East Side Trail 150' North of Parking Lot	IS MD1	2	15.3%	111.5 pcf	103.2% (Pass)	12"

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 Laboratory

Respectfully Submitted,  
 L&G Engineering



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

## Billy Ortiz

---

**From:** Rick Gil  
**Sent:** Wednesday, November 16, 2016 9:15 AM  
**To:** Maria Lucio  
**Cc:** steven cruz; roman rodriguez; Emigdio Salinas; Hector Moreno; Manuel Leal; Billy Ortiz  
**Subject:** RE: WA5-L&G Eng-(CMT)Concrete Walking Trail at San Carlos CRC - Sunflower Park-Pct 4 Request for Testing

Good Morning,

We will have someone on site at the requested time.

Ric

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**From:** Maria Lucio [<mailto:maria.lucio@co.hidalgo.tx.us>]  
**Sent:** Wednesday, November 16, 2016 8:57 AM  
**To:** Rick Gil  
**Cc:** steven cruz; roman rodriguez; Emigdio Salinas; Hector Moreno; Manuel Leal  
**Subject:** WA5-L&G Eng-(CMT)Concrete Walking Trail at San Carlos CRC - Sunflower Park-Pct 4 Request for Testing  
**Importance:** High

Good Morning Rick,

As per your on call contract C-15-301-09-15 (Work Authorization #5 for **CMT services to Project: Concrete Walking Trail** at (San Carlos CRC) **Sunflower Park** within **Pct 4**, we would like to request the following:

1. Testing for moisture content for the walking trails for the Sunflower Park Project.

Please let this email serve as the formal request to begin today at 10:30am we will have a representative out there. Should you have any questions or need anything else please let me know. 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](mailto:maria.lucio@co.hidalgo.tx.us)