

L&G Engineering Laboratory

Construction Material Testing
Geotechnical Engineering

September 24, 2015

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

RECEIVED
SEP 24 2015
BY: *L. Lucio*

RE: Sunflower Park ONSITE

Dear Ms. Lucio:

Included for your use with this letter are test reports **R068 & R069** for **Concrete Testing** performed on the above referenced project.

L&G Engineering Laboratory 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: Mata Garcia Architects, LLP
CAS Companies, LP

REPORT OF SITE VISIT TEST REPORT

Project Description: Sunflower Park ONSITE
Client: Hidalgo County Pct. #4
Architect: Mata Garcia Architects, LLP
Contractor: CAS Companies, LP

L&G Project Number: L1301402
L&G Report Number: R068
Sample Date: 09/02/2015
Date Reported: 09/02/2015

Client PO: 707018

Page 1 of 1

On September 2, 2015, a representative of L&G Engineering Laboratory was dispatched to Sunflower Park Onsite to perform inspection on the placement of ready-mixed concrete on Sidewalk.

Specimen Number 11 was obtained and tested at 11:15 AM, and the following were determined:

Concrete Temp: 92°f	N/A	Entrapped/Entrained Air Content: 1.5%	N/A
	Specification		Specification
Ambient Temp: 96°f	N/A	Slump: 3 inches	N/A
	Specification		Specification

From Specimen Number 11, a total of 4-6x12 cylindrical test specimens were cast for Compressive Strength Testing at intervals of 7 and 28 days.

On September 3, 2015, a representative of L&G Engineering Laboratory was dispatched to the referenced project to collect the cylindrical specimens cast on the placement of ready-mixed concrete on Sidewalk. The specimens were delivered to the laboratory where they were stripped, labeled, and placed in a curing tank for testing at intervals of 7 and 28 days.

Test Methods (If Applicable): ASTM C-231, ASTM C-143, ASTM C-1064, ASTM C-31, ASTM C-172, ASTM C-192, ASTM C-138

Orig: Hidalgo County Pct. #4 (Gen.) (Hidalgo County Pct. #4)
(Edinburg, TX) Attn: Maria (LuLu) Lucio
(1-cc copy)
1-cc Mata Garcia Architects, LLP
Attn: Hector Rene Garcia
1-cc CAS Companies, LP Attn: Connie Bearden
1-cc Laboratory

Respectfully Submitted,
L&G Engineering Laboratory



Ricardo A. Gil, Lab Manager

**CONCRETE COMPRESSION
 TEST REPORT**

Project Description: Sunflower Park ONSITE
 Client: Hidalgo County Pct. #4
 Architect: Mata Garcia Architects, LLP
 Contractor: CAS Companies, LP

L&G Project Number: L1301402
 L&G Report Number: R069
 Sample Date: 09/02/2015
 Date Reported: 09/09/2015

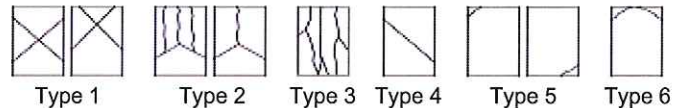
Client PO: 707018

Page 1 of 1

Placement Location: Sidewalks for restrooms / Pavillion Pads
 Mix ID: Fuel surcharg Supplier: CAPA
 Specified Strength: 3,000 P.S.I. @ 28 days
 Specified Slump: Max 5 Slump: 3.0"
 Specified Air Content: N/A Air Content: 1.5%
 Weather Conditions: Hot, humid Air Temp.: 96°f
 Time Batched: 10:43 am Time Sampled: 11:15 am Concrete Temp.: 92°f
 Plant Ticket No: 309912 Truck No: 946 CY: 10
 Water: 0 gal.

Compressive Strength Data

Set No.	Identification	Test Date	Age (days)	Maximum Load (pounds)	Break Type	Comp. Strength (psi)	Average Strength (psi)	% of Design
11	A	09/09/2015	7	79,645	Type 1	2,820		94.00%
	B	09/09/2015	7	77,595	Type 1	2,740	2,780	91.33%



Remarks/Comments:
 6 x 12 in. Cylinders

Orig: Hidalgo County Pct. #4 (Gen.) (Hidalgo County Pct. #4)
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 1-cc CAS Companies, LP Attn: Connie Bearden
 1-cc Laboratory

Respectfully Submitted,
 L&G Engineering Laboratory

Ricardo A. Gil, Lab Manager



**Construction Material Testing
Geotechnical Engineering**

INVOICE

Invoice Date: 09/23/2015
Invoice No: 15-9-000007

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

Client Address: Hidalgo County Pct. #4

Account No.: L130

1102 N. Doolittle Rd.

Project No: L1301402

Edinburg, TX. 78539

Project Desc.: Sunflower Park ONSITE

Due Date: UPON RECEIPT

Budget/Remaining: \$23,853.69 / \$1,146.30

PO: 707018

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

	<u>Unit Rate</u>	<u>Qty</u>	<u>Extension</u>
920:92033 - Air Content (Pressure Method)	\$23.51	1.00	\$23.51
920:92034 - Comp. Strength of Cyl. Specimen	\$15.68	2.00	\$31.36
920:92035 - Cyl. Specimen Prep./Hold/Cure	\$11.83	4.00	\$47.32
940:94047 - Eng. Tech. (Concrete / Lab)	\$60.18	0.50	\$30.09
940:94050 - Eng. Tech. (Concrete)	\$60.18	5.00	\$300.90
940:94054 - Engineering Specialist	\$117.75	0.50	\$58.88
940:94055 - Engineer / P.E.	\$157.08	0.50	\$78.54
950:95058 - Vehicle Trip Charge	\$0.52	64.00	\$33.28
950:95061 - Test Report	\$23.24	2.00	\$46.48
Total for this Invoice:			\$650.36

===== 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>
R068	09/02/2015	1.00	920:92033 - Air Content (Pressure Method)	Each	\$23.51	\$23.51
R068	09/02/2015	4.00	920:92035 - Cyl. Specimen Prep./Hold/Cure	Each	\$11.83	\$47.32
R068	09/02/2015	5.00	940:94050 - Eng. Tech. (Concrete)	Hour	\$60.18	\$300.90
R068	09/02/2015	0.25	940:94054 - Engineering Specialist	Hour	\$117.75	\$29.44
R068	09/02/2015	0.25	940:94055 - Engineer / P.E.	Hour	\$157.08	\$39.27
R068	09/02/2015	64.00	950:95058 - Vehicle Trip Charge	Mile	\$0.52	\$33.28
R068	09/02/2015	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24

Report Number R068 for a Subtotal of: \$496.96

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

Net 30 Days

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

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

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

<u>Report No.</u>	<u>Sampled</u>	<u>Qty</u>	<u>Billing Code</u>	<u>Unit Type</u>	<u>Unit Rate</u>	<u>Extension</u>
R069	09/02/2015	2.00	920:92034 - Comp. Strength of Cyl. Specimen	Each	\$15.68	\$31.36
R069	09/02/2015	0.50	940:94047 - Eng. Tech. (Concrete / Lab)	Each	\$60.18	\$30.09
R069	09/02/2015	0.25	940:94054 - Engineering Specialist	Hour	\$117.75	\$29.44
R069	09/02/2015	0.25	940:94055 - Engineer / P.E.	Hour	\$157.08	\$39.27
R069	09/02/2015	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24
Report Number R069 for a Subtotal of:						\$153.40
Total for this Invoice:						\$650.36

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

Attachment "D"
 L&G Engineering Laboratory, LLC
 Sunflower Park ONSITE
 Prepared for Hidalgo County Precinct No. 4

<i>In-Situ Soils/Salvage/Fill/Trench Backfill/Testing/Laboratory/Building/Slab/Subgrade</i>					
Standard Proctor	5	Ea.	\$202.78	\$1,013.90	
Atterberg Limits of Soils	6	Ea.	\$78.48	\$470.88	
Material Finer #200	6	Ea.	\$65.49	\$392.94	
Test Report	5	Ea.	\$23.24	\$116.20	
Technician (Soils)	20	Hr.	\$47.14	\$942.80	
Mileage (Trip Charge)	125	Mi.	\$0.52	\$65.00	
				Subtotal:	\$3,001.72
<i>In-Situ Soils/Salvage/Fill/Trench Backfill/Testing/Laboratory/Building/Subgrade</i>					
Field Density Test	48	Ea.	\$23.56	\$1,130.88	<i>Quantities Based on 8 Visits to Project To perform testing</i>
Test Report	16	Ea.	\$23.24	\$371.84	
Technician (Soils)	32	Hr.	\$47.14	\$1,508.48	
Mileage (Trip Charge)	200	Mi.	\$0.52	\$104.00	
				Subtotal:	\$3,115.20
<i>Base Material Banks/Testing/Laboratory</i>					
Standard Proctor	1	Ea.	\$202.78	\$202.78	
Atterberg Limits of Soils	1	Ea.	\$78.48	\$78.48	
Sieve Analysis	1	Ea.	\$58.85	\$58.85	
Technician (Soils)	3	Hr.	\$47.14	\$141.42	
Mileage (Trip Charge)	25	Mi.	\$0.52	\$13.00	
Texas Wet Ball Mill	1	Ea.	\$58.85	\$58.85	
Test Report	2	Ea.	\$23.24	\$46.48	
				Subtotal:	\$599.86
<i>Base Material/Action Area/Field Testing/At Work/On</i>					
Field Density Test	8	Ea.	\$23.56	\$188.48	
Test Report	2	Ea.	\$23.24	\$46.48	
Technician (Soils)	6	Hr.	\$47.14	\$282.84	
Mileage (Trip Charge)	50	Mi.	\$0.52	\$26.00	
				Subtotal:	\$543.80
<i>Concrete Placement/Floor Slabs/Reinforcing Bars/Concrete Cylinders/Slabs/Dr. Cyl.</i>					
Air Content(Pressure Method)	14	Ea.	\$23.51	\$329.14	<i>assuming 14 site visits</i>
Test Report	14	Ea.	\$23.24	\$325.36	
Technician (Concrete)	35	Hr.	\$60.18	\$2,106.30	
Mileage (Trip Charge)	350	Mi.	\$0.52	\$182.00	
				Subtotal:	\$2,942.80
Cyl. Spec. Prep, Hold, Cure	56	Ea.	\$11.83	\$662.48	<i>cyl pickup lab testing</i>
Comp. Str. Of Cyl. Specimen	56	Ea.	\$15.68	\$878.08	
Test Reports (7 and 28 day)	28	Ea.	\$23.24	\$650.72	
Technician (Concrete)	50	Hr.	\$60.18	\$3,009.00	
Mileage (Trip Charge)	350	Mi.	\$0.52	\$182.00	
				Subtotal:	\$5,382.28

Asphalt Paving/Parking Area				
Asphalt Rolling Patterns	4	Ea.	\$39.27	\$157.08
Extraction/Sieve Analysis/Ac Cont	1	Ea.	\$229.04	\$229.04
Density of Asph Cores	3	Ea.	\$71.96	\$215.88
Pavement Thickness	4	Ea.	\$87.14	\$348.56
Test Reports	4	Ea.	\$23.24	\$92.96
Technician (Asphalt)	8	Hr.	\$60.18	\$481.44
Mileage (Trip Charge)	75	Mi.	\$0.52	\$39.00
Subtotal:				\$1,563.96

Welding and Bolt Torque Inspection				
Engineering Specialist	9	Ea.	\$117.75	\$1,059.75
Mileage (Trip Charge)	150	Mi.	\$0.52	\$78.00
Test Report	3	Ea.	\$23.24	\$69.72
Subtotal:				\$1,207.47
<i>Assuming 3 Visits to perform Welding and Bolt Torque Inspection</i>				

Estimated Field and Laboratory Test Fees				\$18,357.09
Engineering Specialist (Report Review)(Hr.)	20	\$117.75		\$2,355.00
Engineer-Principal (Report Review)(Hr.)	20	\$157.08		\$3,141.60
Estimated Materials Testing Total				\$23,853.69

Requisition

Req # 00253667

PO # 707018

Date: 03/14/14

Bill To: x
x

Vendor: 312797
L & G ENGINEERING LABORATORY, LLC
2100 W. EXPRESSWAY 83
MERCEDES TX 78570

Ship To: HIDALGO CO. PCT 4
1051 N. DOOLITTLE
EDINBURG TX 78542

Contact: VLopez
956-383-3112

Contract No: C-13-220-08-13

Special Instructions:
Pct. 4 Req # 311

QUANTITY	UOM	DESCRIPTION	UNIT PRICE	AMOUNT
1.00	EACH	C-13-220-08-13 Approved CC 03/18/14 AI- 43614 For: Sunflower Park Project DO NOT DUPLICATE ORDER CC WA #4- Construction Material Testing Services for "Sunflower Park ONSITE" Project in Hidalgo County Precinct No. Four (4) <u>Account No</u> 4-1100-452-00-124-009-0-339 REPORT ROAD HAZARDS 1-866-HCR-SAFE OR 1-866-427-7233	23,853.69 Encumbrance 23,853.69 Freight .00 Total	23,853.69 23,853.69

Authorized By: _____

Zimbra

maria.lucio@co.hidalgo.tx.us

Fwd: Sunflower Park Concrete Testing-CAS Companies

From : Maria Lucio <maria.lucio@co.hidalgo.tx.us> Tue, Sep 01, 2015 03:19 PM
Subject : Fwd: Sunflower Park Concrete Testing-CAS Companies 1 attachment
To : Rick Gil <rgil@lgengineers.com>, Celia Almaguer <calmaguerca@lgengineers.com>
Cc : Jesus Ozuna <jesus.ozuna@co.hidalgo.tx.us>, Hector Rene Garcia <hector@matagarcia-architects.com>, Roman rodriguez (Pct 4) <roman.rodriguez@co.hidalgo.tx.us>, lchapa@caslp.com, jkitterman@caslp.com, heckyjr@hotmail.com

Good Afternoon,

As per your on call contract C-[13-220-08-13](#) (Work Authorization #4 Sunflower Park On site), could we please schedule testing Wednesday, September 2nd at 10:00 am. We would like to request concrete testing of the sidewalks and restroom pads. To include air content (pressure method), cyl. spec. prep, hold, cure, com. str of cyl. specimen and all test reports. A representative from the Precinct and Contractor will be there. Should you have any questions or need anything else please let me know. Thank you, have a great afternoon!

Respectfully,

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

From: "Laura Chapa" <lchapa@caslp.com>
To: "maria lucio" <maria.lucio@co.hidalgo.tx.us>
Cc: "Joe Kitterman" <jkitterman@caslp.com>, "Hector Galindo" <heckyjr@hotmail.com>
Sent: Tuesday, September 1, 2015 2:56:07 PM
Subject: Sunflower Park Concrete Testing-CAS Companies

Good afternoon,

Good afternoon,

My name is Laura Chapa, and I will be assisting in the administrative processes for Sunflower Park from this point forward.

I spoke to George and he referred me to you in order to get L and G Engineering out to Sunflower Park for concrete testing of the sidewalks and restroom pads. Per our superintendent, Hector Galindo, we would like to schedule

something at approximately 10 a.m. I spoke to L and G Engineering, and they mentioned that proper procedure requires the order to come directly from Hidalgo County. Please advise how to proceed.

Please address any questions or concerns pertaining to the project to Mr. Joe Kitterman, Director of Operations @ jkitterman@caslp.com or 956-466-1080.

Please note that Hector Galindo, project superintendent, is also available if any questions or concerns arise regarding the project and may be reached at hgalindo@caslp.com or 956-245-1054.

Thank you in advance for your assistance during this transition and we look forward to working with you.

Respectfully,

Laura P. Chapa



Environmental, Mechanical, Civil and Construction Services

CAS Companies, LP
5402 S. Expressway 83
Harlingen, Texas 78552

Ph. 956.216.8200
Fax 956.216.8069



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