

L&G Engineering Laboratory

Construction Material Testing
Geotechnical Engineering

December 18, 2014

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

RECEIVED
DEC 18 2014
BY: *L. Lucio*

RE: Sunflower Park ONSITE

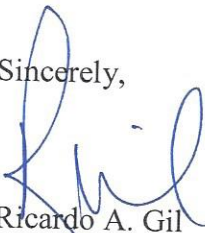
Dear Ms. Lucio:

Included for your use with this letter are test reports **R066 & R067** for **Construction Material 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

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: R066
 Sample Date: 11/19/2014
 Date Reported: 11/26/2014

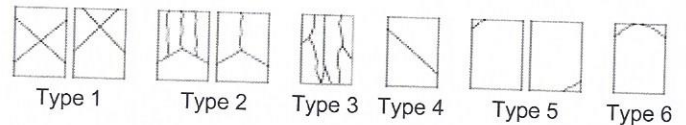
Client PO: 707018

Page 1 of 1

Placement Location: _____ Pad #1
 Mix ID: 3500 PSI-FA-N Supplier: Magic Valley Concrete
 Specified Strength: 3,500 P.S.I. @ 28 days
 Specified Slump: N/A Slump: 3.0"
 Specified Air Content: N/A Air Content: 3.0%
 Weather Conditions: Cloudy & Cool Air Temp.: 60°f
 Time Batched: 10:02 am Time Sampled: 10:45 am Concrete Temp.: 70°f
 Plant Ticket No: 2021668 Truck No: 0885 CY: 20
 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
9	A	11/26/2014	7	119,780	Type 4	4,240	4,200	121.14%
	B	11/26/2014	7	117,480	Type 3	4,150		118.57%



Remarks/Comments:
 6 x 12 in. Cylinders

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

Celia Almaguer

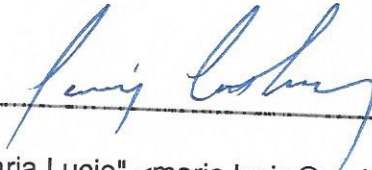
From: Maria Lucio [maria.lucio@co.hidalgo.tx.us]
Sent: Monday, November 17, 2014 3:24 PM
To: Rick Gil; Celia Almaguer
Cc: Steven Hidalgo Co cruz; mvg hector; Connie Bearden; Tom; gloria beltran; jimmy anthony; Roman Rodriguez
Subject: Fwd: SUNFLOWER INSPECTIONS
Importance: High

Good Afternoon,

Robb

As per your on call contract C-13-220-08-13 (Work Authorization #4 Sunflower Park On site), could we please schedule testing Wednesday, November 19th at 11:00 am. We would like to request testing for Concrete Placement- for picnic areas: to include Air Content (pressure method), Cyl. Spec. Prep, Hold Cure, Comp Str. of Cyl. Specimen and 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!

Sincerely,
Maria (Lulu) Lucio
Program Manager
Hidalgo County Precinct #4
Ph:956-292-7000 Ext. 4026
Fax:956-381-5905
maria.lucio@co.hidalgo.tx.us



From: "Connie Bearden" <cbearden@caslp.com>
To: "Hector Rene Garcia" <hector@matagarcia-architects.com>, "Maria Lucio" <maria.lucio@co.hidalgo.tx.us>
Cc: "Tom" <gutomm@aol.com>
Sent: Monday, November 17, 2014 2:53:46 PM
Subject: SUNFLOWER INSPECTIONS

Hector and Lulu,

Please set up inspections for Wednesday for the flowing?

9am – rebar inspection for the picnic areas
11am – I&g for concrete pour for picnic areas .

Connie Bearden
Estimator/Project Manager
CAS Companies, LP
Phone: 956-216-8200
Fax: 956-216-8069



Celia Almaguer

From: Maria Lucio [maria.lucio@co.hidalgo.tx.us]
Sent: Friday, November 21, 2014 8:37 AM
To: Rick Gil; Celia Almaguer
Cc: Connie Bearden; mvg hector; steven Hidalgo Co cruz; Roman Rodriguez; jimmy anthony; Tom
Subject: Fwd: SUNFLOWER INSPECTIONS
Importance: High

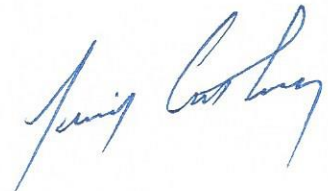
Good Morning,

Robert

As per your on call contract C-13-220-08-13 (Work Authorization #4 Sunflower Park On site), could we please schedule testing Friday, November 21st at 11:00 am or earlier. We would like to request testing for Concrete Placement- for picnic areas: to include Air Content (pressure method), Cyl. Spec. Prep, Hold Cure, Comp Str. of Cyl. Specimen and 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
Program Manager
Hidalgo County Precinct #4
Ph:956-292-7000 Ext. 4026
Fax:956-381-5905
maria.lucio@co.hidalgo.tx.us



From: "Connie Bearden" <cbearden@caslp.com>
To: "Maria Lucio" <maria.lucio@co.hidalgo.tx.us>, "Rick Gil" <rgil@lgengineers.com>, "Celia Almaguer" <calmaguerca@lgengineers.com>
Cc: "steven Hidalgo Co cruz" <steven.cruz@co.hidalgo.tx.us>, "mvg hector" <hector@matagarcia-architects.com>, "Tom" <gutomm@aol.com>, "gloria beltran" <gloria.beltran@co.hidalgo.tx.us>, "jimmy anthony" <jimmy.anthony@co.hidalgo.tx.us>, "Roman Rodriguez" <roman.rodriguez@co.hidalgo.tx.us>
Sent: Friday, November 21, 2014 7:20:07 AM
Subject: RE: SUNFLOWER INSPECTIONS

We need concrete testing this am at 11am please for the rest of the picnic areas. Let me know if this can be earlier – so we can schedule concrete trucks accordingly. We are trying to beat the rain.

Connie Bearden
Estimator/Project Manager
CAS Companies, LP
Phone: 956-216-8200
Fax: 956-216-8069



L&G Engineering Laboratory

Construction Material Testing
Geotechnical Engineering



INVOICE

Invoice Date: 12/17/2014
Invoice No: 14-12-000003

Page 1 of 2

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

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

Account No.: L130
Project No: L1301402
Project Desc.: Sunflower Park ONSITE ✓

Due Date: UPON RECEIPT
Budget/Remaining: \$23,853.69 / \$2,103.46 ✓
PO: 707018 ✓

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

	<u>Unit Rate</u>	<u>Qty</u>	<u>Extension</u>
920:92034 - Comp. Strength of Cyl. Specimen	\$15.68	4.00	\$62.72 ✓
940:94047 - Eng. Tech. (Concrete / Lab)	\$60.18	1.00	\$60.18 ✓
940:94054 - Engineering Specialist	\$117.75	0.50	\$58.88 ✓
940:94055 - Engineer / P.E.	\$157.08	0.50	\$78.54 ✓
950:95061 - Test Report	\$23.24	2.00	\$46.48 ✓
Total for this Invoice:			\$306.80 ✓

===== 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>
R066	11/19/2014	2.00 ✓	920:92034 - Comp. Strength of Cyl. Specimen ✓	Each	\$15.68	\$31.36
R066	11/19/2014	0.50	940:94047 - Eng. Tech. (Concrete / Lab)	Each	\$60.18	\$30.09
R066	11/19/2014	0.25	940:94054 - Engineering Specialist	Hour	\$117.75	\$29.44
R066	11/19/2014	0.25	940:94055 - Engineer / P.E.	Hour	\$157.08	\$39.27
R066	11/19/2014	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24
Report Number R066 for a Subtotal of:						\$153.40
R067	11/21/2014	2.00 ✓	920:92034 - Comp. Strength of Cyl. Specimen ✓	Each	\$15.68	\$31.36
R067	11/21/2014	0.50	940:94047 - Eng. Tech. (Concrete / Lab)	Each	\$60.18	\$30.09
R067	11/21/2014	0.25	940:94054 - Engineering Specialist	Hour	\$117.75	\$29.44
R067	11/21/2014	0.25	940:94055 - Engineer / P.E.	Hour	\$157.08	\$39.27

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

L&G Engineering Laboratory

Construction Material Testing
Geotechnical Engineering

INVOICE

Invoice Date: 12/17/2014
Invoice No: 14-12-000003

Page 2 of 2

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>
R067	11/21/2014	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24
Report Number R067 for a Subtotal of:						\$153.40
Total for this Invoice:						\$306.80

4-1337-452-00-124-132-0-739
PCT# 311
REQ# 253667
PO# 707018

Invoice Received By: [Signature] on 12/24/14
Goods/Services Received By: [Signature] on 12/24/14

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/Select 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/Select Fill/Trench Backfill/Testing/Field/Building Subgrade</i>				
Field Density Test	48	Ea.	\$23.56	\$1,130.88
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>Quantities Based on 8 Visits to Project To perform testing</i>				
<i>Base Material/Paving Area/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/Paving Area/Field Testing/Building Subgrade</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/Prep Slab/Field Testing/Retention/Concrete Subgrade</i>				
Air Content(Pressure Method)	14	Ea.	\$23.51	\$329.14
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
<i>assuming 14 site visits</i>				
Cyl. Spec. Prep, Hold, Cure	56	Ea.	\$11.83	\$662.48
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
<i>cyl pickup lab testing</i>				

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:				<u>\$1,563.96</u>

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:				<u>\$1,207.47</u>

*Assuming 3 Visits
to perform
Welding and Bolt
Torque Inspection*

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