

L&G Engineering Laboratory

Construction Material Testing
Geotechnical Engineering

July 25, 2014

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

RE: Sunflower Park ONSITE

Dear Ms. Lucio:

Included for your use with this letter is test report **R011** 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

RECEIVED
JUL 28 2014
BY: *Maria D. Lucio*



L&G Engineering Laboratory

Construction Material Testing
Geotechnical Engineering

2100 W. Expressway 83
900 S. Stewart Rd. Ste. 6
3388 US Hwy 277

Mercedes, TX 78570 (956) 565-0761
Mission, TX 78572 (956) 583-7111
Carrizo Springs, TX (888) 565-9811

PROCTOR 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: R011
Sample Date: 06/30/2014
Date Reported: 06/30/2014

Client PO: 707018

Page 1 of 1

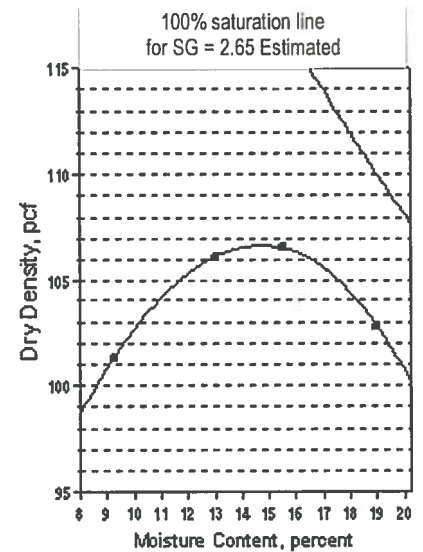
Compaction Method: ASTM D-698
Material Description: In-situ Subgrade

Specific Gravity: 2.65

Liquid Limit: 41
Plastic Limit: 13
Plasticity Index: 28
% Passing No. 200: 67
Group Symbol: CL

Specimen No.:	1	2	3	4
Moisture, %:	9.2	12.9	15.6	19.0
Dry Density (pcf):	101.2	106.0	106.5	102.8

Maximum Dry Density in P.C.F.: 106.6
Optimum Moisture (%): 14.8



Remarks: Sampled from Dillon & Tex Mex rd (Stockpile) ✓
Test Method: ASTM D-698 Method-A, ASTM D-4318, ASTM D-1140

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

L1301402

From: Maria Lucio [maria.lucio@co.hidalgo.tx.us]
Sent: Friday, June 27, 2014 4:45 PM
To: Rick Gil; Celia Almaguer
Cc: Roman rodriguez (Pct 4); Steve Cruz; Gloria Beltran
Subject: Testing for Sunflower Park-On Site

Importance: High

Good Afternoon,

ROI

We would like to request a sample **proctor for the select fill** that will be used for site fill at Sunflower Park (On-Site) on **Monday, June 30th at 9:30 am.** The select fill is located on Dillon & Tex Mex on the Southwest corner, a representative from our office will be there at the location. Should you have any further questions please let me know. Thank you, have a great weekend!

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





**Construction Material Testing
Geotechnical Engineering**

INVOICE
Invoice Date: 07/24/2014
Invoice No: 14-7-000025

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 / \$19,395.03
PO: 707018

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

	<u>Unit Rate</u>	<u>Qty</u>	<u>Extension</u>
910:91004 - Atterberg Limits Det	\$78.48	1.00	\$78.48
910:91006 - Materials Finer #200	\$65.49	1.00	\$65.49
910:91009 - M-D ASTM D698 (Standard Proctor) (each)	\$202.78	1.00	\$202.78
940:94048 - Eng. Tech. (Soils / SP.)	\$47.14	3.00	\$141.42 ✓
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	25.00	\$13.00 ✓
950:95061 - Test Report	\$23.24	1.00	\$23.24 ✓
Total for this Invoice:			\$661.83 ✓

===== 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>
R011	06/30/2014	1.00	910:91004 - Atterberg Limits Det	Each	\$78.48	\$78.48
R011	06/30/2014	1.00	910:91006 - Materials Finer #200	Each	\$65.49	\$65.49
R011	06/30/2014	1.00	910:91009 - M-D ASTM D698 (Standard Proctor) (each)	Each	\$202.78	\$202.78
R011	06/30/2014	3.00	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$47.14	\$141.42
R011	06/30/2014	0.50	940:94054 - Engineering Specialist	Hour	\$117.75	\$58.88
R011	06/30/2014	0.50	940:94055 - Engineer / P.E.	Hour	\$157.08	\$78.54
R011	06/30/2014	25.00	950:95058 - Vehicle Trip Charge	Mile	\$0.52	\$13.00
R011	06/30/2014	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24
Report Number R011 for a Subtotal of:						\$661.83
Total for this Invoice:						\$661.83

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 Slab/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/Pad/Dr. Area/Label to 5'</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/Pad/Dr. Area/Field/Testing/Field/Building Slab/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/Reinforcement/In-Situ Slab/Man. Capacity/Rebar/Dr. Slabwall/ Curb & Bulb</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	<i>Assuming 3 Visits to perform Welding and Bolt Torque Inspection</i>
Mileage (Trip Charge)	150	Mi.	\$0.52	\$78.00	
Test Report	3	Ea.	\$23.24	\$69.72	
			Subtotal:	\$1,207.47	

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