



**CONSENT AGENDA
DRAINAGE DISTRICT
BOARD OF DIRECTORS
April 18, 2017
9:00 A.M.**

NOTICE is hereby given in accordance with Chapter 551, Texas Government Code, that a SPECIAL MEETING of the Drainage District #1 Board of Directors will be held in the Commissioners' Courtroom of the Administration Building, 100 E. Cano, 1st floor, Edinburg, Hidalgo County, Texas. Discussion and possible action relating to the following business will be transacted:

**NOTICE TO THE PUBLIC
CONSENT AGENDA**

The following items are of a routine or administrative nature. The Drainage District #1 Board has been furnished with background and support on each item, and/or it has been discussed at a previous meeting. All items will be acted upon by one vote without being discussed separately unless requested by a Board Member, in which event the item or items will immediately be withdrawn for individual consideration in its normal sequence after the items not requiring separate discussion have been acted upon. The remaining items will be adopted by one vote.

1. Approval of check register and payment of claims and bills - County Treasurer

2. **AI -59352** Discharge Permit
Izaguirre Engineering Group, LLC.- Eduardo's Subdivision No. 16

3. **AI -59410** 2013 Bonds
Budget: 020-Mission Inlet
Firm: L&G Consulting Engineers, Inc.
A. Invoice No. 11326226 in the amount of \$22,418.14 pertaining to Work Authorization No. 6-Los Ebanos Bridge Replacement.
PO#6297863.

Budget: 365-Rural Drainage Development Pct.3
Firm: L &G Consulting Engineers, Inc.
B. Invoice No. 11326224 in the amount of \$3,570.00 pertaining to Work Authorization No. 6A-TxDot Outfall to IBWC Levee.
PO#627201.
C. Invoice No. 11326225 in the amount of 2,808.00 pertaining to Work Authorization No. 10-PS&E w/ROW Acquisition from Outfall at Mile 3 within La Joya Watershed Project.
PO#629641.

4. **AI -59426** 2013 Bonds

Budget 365-Rural Drainage Development Pct.4

Invoice no. 619302-0317 in the amount of \$1,862.50 from Millennium
Engineers Group, Inc. for services performed for the Kenyon Rd & Mile 17
1/2 Drainage Improvement.

PO# _____.

AI -59352

2.

DRAINAGE - CONSENT

Meeting Date: 04/18/2017

Submitted For: Esther Layton

Submitted By: Esther Layton, DRAINAGE
DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

Discharge Permit

Izaguirre Engineering Group, LLC.- Eduardo's Subdivision No. 16

BACKGROUND

Fiscal Impact

Attachments

Discharge Permit

Form Review

Inbox

Reviewed By

Date

Final Approval

Monica Badillo

04/13/2017 04:02 PM

Form Started By: Esther Layton

Started On: 04/11/2017 10:39 AM

Final Approval Date: 04/13/2017

APPLICATION FOR DISCHARGING STORM WATER INTO HCDD1 SYSTEM AND/OR HCID SYSTEM

Applicant: Ingrid Izaguirre Permit No: _____

Address: 7413 N. La Homa Road, Mission, Tx 78574

Subdivision Name: Eduardo's Subdivision No. 16

Name of Receiving Ditch: Linda Vista Outfall Ditch

Location or Drainage Area (Furnish Location Map): (refer to attached map)

X (coordinate): 26° 16' 03.23" N Y (coordinate): 98° 19' 38.36" W
(NAD 1983 Texas South FIPS 4205 feet)

New or existing entrance: New Calculated Discharge Q (cfs): 1.83

Number of Acres Developed: 4.48 Size of Discharge Structure: 42"

Discharge Flow line of Discharge Structure: 164.63

Flow line Receiving Ditch: 164.60 Top of Water Receiving Ditch: 169.10

Top of Receiving Ditch Elevation: 175.00 Top of water of Connecting Ditch Lateral: n/a

Head Loss Calculated: 1.02 ft Formula(s) Used: Manning utilizing TxDOT Winstorm

Project Engineer: Gilberto A. Gracia P.E. Izaguirre Engineering Group LLC
(Engineer's Name) (Firm's Name)

7413 N. La Homa Rd, Mission, Tx 78574 956-584-0554 956-584-0554
(Address) (Phone #) (Fax #)

Gilberto A. Gracia DECEMBER 9, 2016
(Engineer Signature) (Date)

*Owner shall be considered a City with the appropriate review boards considering/granting approval to subdivision; otherwise owner/developer signature will be required.

Norberto Salinas Mission, Texas *Kelley...*
(Mayor's Signature) (City of) (Owner's Signature)

Norberto Salinas 3/3/17
(Mayor's Print Name) (Date)

APPROVAL OF IRRIGATION DISTRICT

This is to certify that we have reviewed the above application and we hereby approve the plan and application as shown. If not an Irrigation District facility, please fill out info and initial next to statement:

United Irrigation District
By (Printed Name): Mike Warshak Signature: _____
Title: General Manager Date: 03-08-2017
Not an Irrigation District Facility *M Warshak*

APPROVAL OF DRAINAGE DISTRICT

APPROVED this _____ day of _____, 20 ____.
By: _____
(Chairman of the Board HCDD1)

** This application requires Board of Director's approval. Irrigation District approval, if required, will be needed before HCDD1 may consider formal action on application. Please submit application, to the District, on Tuesday's before 5:00 p.m. to be placed on Board of Director's meeting the following Tuesday.

AI -59410

3.

DRAINAGE - CONSENT

Meeting Date: 04/18/2017

Submitted For: Lora Briones

Submitted By: Claudette Guerrero,
DRAINAGE DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

2013 Bonds

Budget: 020-Mission Inlet

Firm: L&G Consulting Engineers, Inc.

A. Invoice No. 11326226 in the amount of \$22,418.14 pertaining to Work Authorization No. 6-Los Ebanos Bridge Replacement.
PO#6297863.

Budget: 365-Rural Drainage Development Pct.3

Firm: L &G Consulting Engineers, Inc.

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PO#627201.

C. Invoice No. 11326225 in the amount of 2,808.00 pertaining to Work Authorization No. 10-PS&E w/ROW Acquisition from Outfall at Mile 3 within La Joya Watershed Project.
PO#629641.

BACKGROUND

Fiscal Impact

Attachments

L&G Inv#11326225

L&G Inv#11326224

L&G Inv#11326226

Form Review

Inbox

Reviewed By

Date

Final Approval

Monica Badillo

04/13/2017 04:02 PM

Form Started By: Claudette Guerrero
Final Approval Date: 04/13/2017

Started On: 04/13/2017 09:53 AM



Hidalgo County Drainage District No. 1

902 North Doolittle Road, Edinburg, TX 78542 Office: 956-292-7080

Invoice Processing Routing Slip

Invoice/ Backup

Date Received: 4/4/2017

Engineer/Firm Name: L&G Consulting Engineers, Inc.

Project Name/Number: Mission Inlet Recertification Project, WA No. 6

Invoice No.: 11326226

Invoice Date: 3/31/2017

Due Date: 5/4/2017

Purchase Order No.: 629786

Amount: \$22,418.14

Total # of Pages Submitted: 6

Attachments: CD USB Plans Other: _____

Engineering:

Construction:

Received By: Maria Perez

Forwarded to:

Nora D. Cavazos _____ Date: _____

Esther Layton _____ Date: _____

Claudette Guerrero _____ Date: _____

Jose N. Saldivar _____ Date: _____

Lora Briones _____ Date: _____

Additional Comments: _____

L & G Consulting Engineers Inc
2100 W. Expressway 83
Mercedes, TX 78570
(956)565-9813 Fax (956)565-9018

INVOICE#: 11326226
INVOICE DATE: 3/31/2017

RECEIVED
 HIDALGO COUNTY
 DRAINAGE DISTRICT #1

APR 04 2017

10:52 AM PM

BY: 

JOB:130206
 Mission Inlet Recertification Project
 WA#6 P.O.#629786

BILL TO: 87
 Hidalgo County Drainage District#1
 902 N. Doolittle
 Edinburg, TX 78542

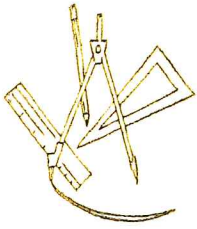
DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
Engineering services for the month of March 2017.						
FC 11003 - PS&E Development	88,581.89	62,007.31	8,858.19	70,865.50	80.0	17,716.39
FC 60001- Right of Way Acquisition Services	41,000.00			0.00	0.0	41,000.00
FC 33001 - Geotechnical Engineering / SUB	7,513.68		7,513.68	7,513.68	100.0	-
FC 16306 - Scour/Erosion Report	10,429.36		5,214.68	5,214.68	50.0	5,214.68
FC 16307 - Utility Coordination	5,477.28			0.00	0.0	5,477.28
FC 16309 - Meetings & Coordination with HCDD#1 and TxDOT	7,853.22	5,496.00	831.59	6,327.59	80.6	1,525.63
	160,855.43	67,503.31	22,418.14	89,921.45	55.9	70,933.98

ORIGINAL CONTRACT SUM \$ 160,855.43
 CHANGE BY CHANGE ORDER \$ 0.00
 CONTRACT SUM TO DATE \$ 160,855.43
 TOTAL COMPLETED TO DATE \$ 89,921.45
 LESS PREVIOUS INVOICES \$ 67,503.31



 PROJECT MANAGER'S SIGNATURE

CURRENT PAYMENT DUE \$ 22,418.14



L&G Engineering Laboratory

Construction Material Testing
Geotechnical Engineering

March 31, 2017

Mr. Jacinto Garza, P.E.
President - L&G Engineering
2100 W. Expressway 83
Mercedes, Texas 78570

RE: Geotechnical Drilling, Testing, & Engineering for Mission Inlet – Los Ebanos Bridge

Dear Mr. Garza,

Attached for your review and approval is our invoice for the services rendered during the month of March 2017 on the subject referenced project.

The following is attached:

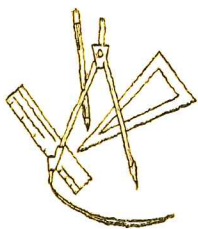
- L & G Lab's Invoice #9878
- Final Geotechnical Report

TASK		% COMPL
FC10208 – FOUNDATION STUDIES	L&G Lab	100%
Update – L&G has completed the Geotechnical Report for the subject project. This task is complete.		
FC10209 – FOUNDATION MATERIAL TESTING	L&G Lab	100%
Update – L&G has completed the Drilling, Field Testing and Laboratory Testing for the subject project. This task is complete.		

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,

David A. Saenz, P.E., C.F.M.
Laboratory Engineer of Record
L&G Engineering Laboratory, LLC



April 3, 2017

Mr. Raul Sesin, P.E. – District Manager
 Hidalgo County Drainage District #1
 902 N. Doolittle
 Edinburg, Texas 78542

RE: Work Authorization #6 on Mission Inlet Recertification Project (Los Ebanos Bridge)

Job # 130206
P.O. # 629786

Dear Mr. Sesin,

Attached for your review and approval is our invoice for the services rendered during the month of March 2017 on the subject referenced project.

The following is attached:

- L&G's Invoice #11326226
- Sub Invoices: L&G Lab Invoice #9878
- CD w/ Electronic Files of Data for:
 - FC 11003, 33010 (SUB), 16306, 16309

TASK		% COMPL
Mission Inlet Recertification Project		
FC 11003 ~ PS&E Development	L&G	80.0%
Update – L&G continued developing the Plan Documents for the project including Title Sheet, Project Layout, Typical Sections, Removal Layout, Plan & Profile, Signing, Striping and SW3P Layout. Preliminary quantities for all major items have been prepared. All pertinent standard sheets have been compiled and included in the plan set. Bridge crossing geometry has been developed (incorporated into a layout) and details are being completed.		
FC 60001 ~ ROW Acquisition Services	L&G	0.0%
No Update – Task Not Started		
FC 33010 ~ SUB – Geotechnical Engineering	L&G Lab	100.0%
Update – Task Complete – See Progress Report and Invoice #9878 from L&G Lab for a detailed explanation of the work that has been completed during this billing period.		

FC 16306 ~ Scour/Erosion Report	L&G	50.0%
Update – L&G has investigated the preliminary hydraulics and scour parameters provided by L&G Lab. Draft scour report has been generated and results included in preliminary foundation design for bridge piling.		
FC 16307 ~ Utility Coordination	L&G	0.0%
No Update – Task Not Started		
FC 16309 ~ Meetings & Coordination with HCDD#1 and TxDOT	L&G	80.0%
Update – L&G continued informal coordination with TxDOT on survey info and other misc. info – Geo, Utilities, etc.		

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) 585-1909.

Sincerely,

David A. Saenz, P.E., C.F.M.
 Project Manager
 L&G Engineering



L&G Engineering
 Transportation Consulting Engineers

2100 W. Expressway 83 Mercedes, TX 78570
 Phone: (956) 565-9813 Fax: (956) 565-9018
 Toll Free: (888) 565-9813 Firm No. F-4105

900 S. Stewart Rd., Ste. 10 Mission, TX 78572
 Phone: (956) 585-1909 Fax: (956) 585-1927
 Toll Free: (866) 585-1909

Letter of Transmittal

Mr. Raul Sesin, P.E. – District Manager
 Hidalgo County Drainage District #1
 902 N. Doolittle Rd.
 Edinburg, Texas 78542

DATE:
 April 3, 2017

Project: Progress Report & Invoice Package for Various Work Authorizations
 La Joya Watershed Improvement Project
 Mission Inlet Recertification Project

L&G PROJECT NO.:

TRANSMITTED:

<input checked="" type="checkbox"/> For Your Use	<input type="checkbox"/> Please comment	<input type="checkbox"/> Approved as Noted
<input type="checkbox"/> As Requested	<input type="checkbox"/> Reply ASAP	<input type="checkbox"/> As Noted Below

VIA:

<input type="checkbox"/> US Mail	<input type="checkbox"/> Courier	<input checked="" type="checkbox"/> Hand Carry
<input type="checkbox"/> E-Mail	<input type="checkbox"/> Lonestar Overnight	<input type="checkbox"/> Pick up

COPIES	DESCRIPTION
1	Progress Report and Invoice Package (including CD w/Electronic Files) for the following Project:
	<ul style="list-style-type: none"> • Work Authorization #10 on La Joya Watershed Improvement Project <ul style="list-style-type: none"> ○ P.O. #629641, Invoice #11326225 • Work Authorization #6 on Mission Inlet Recertification Project <ul style="list-style-type: none"> ○ P.O. #629786, Invoice #11326226
	RECEIVED
	HIDALGO COUNTY DRAINAGE DISTRICT #1
	APR 04 2017
	10:52 AM/PM
	BY: <u>MTV</u>

REMARKS:

If you have any questions or comments, please feel free to contact me, Mr. David Saenz, P.E., C.F.M. at (956) 585-1909.

Thank you,

Received By: _____

Date: _____ **Time:** _____

**Mission Inlet Recertification
Project
Work Authorization #6**

**Invoice #
11326226**

HCDD#1

4/3/2017

L & G Engineering Electronic Data & CAD Disclaimer by opening the attached files, the user agrees that data provided by this electronic file is for information purposes only and should be used at one's own risk. L & G Engineering makes no representations, written or verbal, that the information contained in these CAD files are complete or accurate or should be relied upon for construction except to the extent that they are labeled, dimensioned or otherwise noted and reflect exactly what is on the approved and sealed preliminary or final drawings. Any conflict between the information reflected on the sealed plan sheets and that provided via this electronic data file shall be resolved in favor of the sealed plan sheets. Any reproduction of these sheets without the appropriate preliminary stamp, or professional engineering seal and signature, and the express written approval of L & G Engineering, is a violation of the Professional Engineering Practice Act.



Hidalgo County Drainage District No. 1

902 North Doolittle Road, Edinburg, TX 78542 Office: 956-292-7080

Invoice Processing Routing Slip Invoice/ Backup

Date Received: 4/3/2017

Engineer/Firm Name: L&G Consulting Engineers, Inc.

Project Name/Number: La Joya Watershed Imp., WA No. 6A

Invoice No.: 11326224

Invoice Date: 3/31/2017

Due Date: 5/3/2017

Purchase Order No.: 627201

Amount: \$3,570.00

Total # of Pages Submitted: 11

Attachments: CD USB Plans Other: _____

Engineering:

Construction:

Received By: Maria Perez

Forwarded to:

Nora D. Cavazos _____ Date: _____

Esther Layton _____ Date: _____

Claudette Guerrero _____ Date: _____

Jose N. Saldivar _____ Date: _____

Lora Briones _____ Date: _____

Additional Comments: _____

L & G Consulting Engineers Inc
2100 W. Expressway 83
Mercedes, TX 78570
(956)565-9813 Fax (956)565-9018

RECEIVED
 HIDALGO COUNTY
 DRAINAGE DISTRICT #1

INVOICE#: 11326224
INVOICE DATE: 3/31/2017

APR 03 2017

11:30 AM PM

BY: 

BILL TO:

Hidalgo County Drainage District#1
 902 N. Doolittle
 Edinburg, TX 78542

JOB:130106

La Joya Watershed Imp
 WA#6A P.O #627201

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
FC 163 - Miscellaneous Roadway						
16306-Special Utility Details (Irrigation Lines)	4,301.76	4,301.76		4,301.76	100.0	-
16307-Miscellaneous Structures	4,301.76	4,301.76		4,301.76	100.0	-
16301-Foundation Studies	4,301.76	4,301.76		4,301.76	100.0	-
16302-Utility Agreements and Exhibits	4,301.76	4,301.76		4,301.76	100.0	-
16303-Railroad Sketches	4,301.76	4,301.76		4,301.76	100.0	-
16304-Traffic Signal Agreement Sketches	4,301.76	4,301.76		4,301.76	100.0	-
16305-Estimate	4,301.76	4,301.76		4,301.76	100.0	-
16308-Specifications and General Notes	4,301.76	4,301.76		4,301.76	100.0	-
FC 600 - Right-of-Way Acquisition Services						
60000-ROW Acquisition Administration	23,800.00	16,660.00	3,570.00	20,230.00	85.0	3,570.00
60001-Title Services Fees	2,400.00	2,400.00		2,400.00	100.0	-
60002-Appraisal Services Fees	3,000.00	0.00		0.00	0.0	3,000.00
60003-Appraisal Services Review Fees	1,400.00	0.00		0.00	0.0	1,400.00
60004-Parcel Negotiations	14,000.00	0.00		0.00	0.0	14,000.00
60005-Closing Services Fees	800.00	0.00		0.00	0.0	800.00
60030-Appraisal Services Fees / SUB	8,000.00	0.00		0.00	0.0	8,000.00
60040-Appraisal Review Fees / SUB	1,800.00	0.00		0.00	0.0	1,800.00
Compensable Utilities						
60101-Preliminary Design Consultations	5,877.20	5,877.20		5,877.20	100.0	-
60102-Field Observations and Verifications	5,877.20	5,877.20		5,877.20	100.0	-
60103-Exchange of Information with Utility Providers	14,630.48	14,630.48		14,630.48	100.0	-
60104-Confirmation of Property Interests	14,630.48	13,167.45		13,167.45	90.0	1,463.03
60105-Develop and execute release of Easements	14,630.48	0.00		0.00	0.0	14,630.48
60106-Coordination and Development of Joint Use Agreements	6,552.44	6,552.44		6,552.44	100.0	-
60107-Utility meetings throughout project development	5,314.50	5,314.50		5,314.50	100.0	-
TOTALS:	322,499.65	270,266.14	3,570.00	273,836.14	84.9	48,663.51



PROJECT MANAGER'S SIGNATURE

ORIGINAL CONTRACT SUM \$ 322,499.65
 CHANGE BY CHANGE ORDER \$ 0.00
 CONTRACT SUM TO DATE \$ 322,499.65
 TOTAL COMPLETED TO DATE \$ 273,836.14
 LESS PREVIOUS INVOICES \$ 270,266.14

CURRENT PAYMENT DUE \$ 3,570.00

L & G Consulting Engineers Inc
2100 W. Expressway 83
Mercedes, TX 78570
(956)565-9813 Fax (956)565-9018

INVOICE#: 11326224

APR 03 2017 INVOICE DATE: 3/31/2017

11:30 AM PM

BY: WTP

BILL TO:

Hidalgo County Drainage District#1
 902 N. Doolittle
 Edinburg, TX 78542

JOB:130106

La Joya Watershed Imp
WA#6A P.O #627201

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
Engineering services for the month of March 2017.						
FC 102 - Feasibility Studies						
10201-Preliminary Design Values	1,575.64	1,575.64		1,575.64	100.0	-
10202-Preliminary Route Location on Uncontrolled Mapping	1,575.64	1,575.64		1,575.64	100.0	-
10203-Uncontrolled Mapping	1,575.64	1,575.64		1,575.64	100.0	-
10204-Preliminary Hydrologic Map	1,575.64	1,575.64		1,575.64	100.0	-
10205-Preliminary ROW Requirements	1,575.64	1,575.64		1,575.64	100.0	-
10206-Preliminary Cost Estimates	1,575.64	1,575.64		1,575.64	100.0	-
10207-Preliminary Environmental Analysis	1,575.64	1,575.64		1,575.64	100.0	-
10208-Proj. Fact Sheet w/Est. Local Cost vs. Total Proj. Cost	1,575.64	1,575.64		1,575.64	100.0	-
10209-Meetings, Coord. & Support for Project Dvlpmnt	1,575.64	1,575.64		1,575.64	100.0	-
FC 110 - Route and Design Studies						
11004-Preliminary Cost Estimates	5,627.30	5,627.30		5,627.30	100.0	-
11005-Design Schematic	8,103.29	8,103.29		8,103.29	100.0	-
11006-Preliminary ROW Requirements	7,503.05	7,503.05		7,503.05	100.0	-
FC 130 - Right-of-Way Data						
13008-Coordination and Management of Right-of-Way Data	6,330.75	6,330.75		6,330.75	100.0	-
13020-ROW Map / SUB	11,200.00	11,200.00		11,200.00	100.0	-
FC 150 - Field Surveying						
15030-Horizontal and Vertical Ties	12,784.00	12,784.00		12,784.00	100.0	-
15040-Determine Changes in Topography	30,257.00	30,257.00		30,257.00	100.0	-
15060-Final Reports	3,364.00	3,364.00		3,364.00	100.0	-
15070-Project Management Oversight	1,246.00	1,246.00		1,246.00	100.0	-
FC 161 - Drainage						
16101-Hydrologic Map	7,228.00	7,228.00		7,228.00	100.0	-
16102-Hydraulic Drainage Study - Culverts	5,352.16	5,352.16		5,352.16	100.0	-
16103-Hydraulic Drainage Study - Channels	5,352.16	5,352.16		5,352.16	100.0	-
16104-Hydraulic Drainage Study - Irrigation Canals / Siphons	6,602.72	6,602.72		6,602.72	100.0	-
16105-Layout, Struc. Dsgn and Detail. Drainage Features-Culvert	6,602.72	6,602.72		6,602.72	100.0	-
16106-Layout, Struc. Dsgn and Detail. Drainage Features-Storm S	6,602.72	6,602.72		6,602.72	100.0	-
16107-Layout, Struc. Dsgn and Detail. Drainage Features-Outfall	6,602.72	6,602.72		6,602.72	100.0	-
16108-Layout, Struc. Dsgn and Detail. Drainage Features-Summary	6,602.72	6,602.72		6,602.72	100.0	-
16109-Layout, Struc. Dsgn and Detail. Drainage Features-Storm W	6,602.72	6,602.72		6,602.72	100.0	-
16111-Storm Water Pollution Prevention Plan (SW3P)	7,228.00	7,228.00		7,228.00	100.0	-

L&G Consulting Engineers, Inc
 2100 W. Expressway 83
 Mercedes, Texas 78570
 (956) 565-9813

Project Workhour Report

La Joya Watershed Improvements WA#6A
 Reference: Inv#11326224
 Date: 3/31/2017
 P.O.#627201

	Hrs		Rate	Total
Senior Project Manager	0.00	X	212.59	\$0.00
Senior Engineer	0.00	X	175.07	\$0.00
Project Engineer	0.00	X	121.92	\$0.00
ROW Administrator	0.00	X	106.29	\$0.00
Environmental Scientis/Specialist	0.00	X	78.16	\$0.00
Seinior Engineer Tech	0.00	X	78.16	\$0.00
Engineer Tech	0.00	X	75.03	\$0.00
Admin/Clerical	0.00	X	56.27	\$0.00

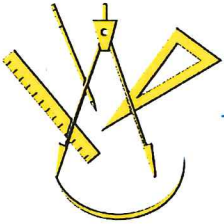
Grand Total of Hours

\$	-
----	---

(Difference due to rounding hours)

\$	-
----	---

Invoice Summary	
Man Hours	\$ -
Right-of Way Acquisitions	\$ 3,570.00
Sub Contract	\$ -
<small>(See Attached Sub Invoice for Man Hour Breakdown)</small>	
Total Per Invoice Submitted	\$ 3,570.00



L&G Engineering

April 3, 2017

Transportation Consultants

Mr. Raul Sesin, P.E. – District Manager
 Hidalgo County Drainage District #1
 902 N. Doolittle
 Edinburg, Texas 78542

RECEIVED
 HIDALGO COUNTY
 DRAINAGE DISTRICT #1

APR 03 2017

11:30 AM/PM

BY: WJP

RE: Work Authorization #6A on La Joya Watershed Improvement Project

Job # 130106

P.O. # 626941

Dear Mr. Sesin,

Attached for your review is our progress report for the month of March 2017 on the subject referenced project.

- L&G Invoice
- Work Schedule

		% COMPL
TASK #1 – <u>FC 102 – Feasibility Studies</u>		
FC 10201 ~ Preliminary Design Values	L&G	100%
Task is complete – See progress report dated 06-10-2015		
FC 10202 ~ Preliminary Route Location on Uncontrolled Mapping	L&G	100%
Task is complete – See progress report dated 06-10-2015		
FC 10203 ~ Uncontrolled Mapping	L&G	100%
Task is complete – See progress report dated 06-10-2015		
FC 10204 ~ Preliminary Hydrologic Map	L&G	100%
Task is complete – See progress report dated 06-10-2015		
FC 10205~ Preliminary ROW Requirements	L&G	100%
Task is complete – See progress report dated 06-10-2015		
FC 10206~ Preliminary Cost Estimates	L&G	100%
Task is complete – See progress report dated 06-10-2015		

FC 10207 ~ Preliminary Environmental Analysis	L&G	100%
Task is complete – See progress report dated 06-10-2015		
FC 10208 ~ Project Fact Sheet with Est. Local Cost vs. Total Project Cost	L&G	100%
Task is complete – See progress report dated 06-10-2015		
FC 10209 ~ Meetings, Coordination & Support for Project Development	L&G	100%
Task is complete – See progress report dated 06-10-2015		
TASK #2 – <u>FC 110 – Route and Design Studies</u>		
FC 11004 ~ Preliminary Cost Estimates	L&G	100%
Task is complete – See progress report dated 06-10-2015		
FC 11005 ~ Design Schematic	L&G	100%
Task is complete – See progress report dated 06-10-2015		
FC 11006 ~ Preliminary ROW Requirements	L&G	100%
Task is complete – See progress report dated 06-10-2015		
TASK #3 - <u>FC 130 – Right-of-Way Data</u>		
FC 13008 ~ Coordination and Management of Right-of-Way Data (FC 130) and Field Surveying (FC 150)	L&G	100%
<p>Final ROW map has been submitted to L&G Engineering. L&G’s ROW department has reviewed the ROW map. L&G Engineering has reviewed the geometry of the final ROW map as well. Horizontal and Vertical control sheets were submitted for inclusion into the set of plans.</p>		
FC 13020 ~ ROW Mapping / SUB	ROWSS	100%
See attached progress report from ROWSS dated 11-30-2016		
TASK #4 – <u>FC 150 – Field Surveying</u>		
FC 15030 ~ Field Surveying (Control Horizontal and Vertical Ties)	ROWSS	100%
See attached progress report from ROWSS dated 11-30-2016		
FC 15040 ~ Determine Topography, Cross Sections and Pot Holing	ROWSS	100%

See attached progress report from ROWSS dated 11-30-2016		
FC 15060 ~ Final Reports and Deliverables	ROWSS	100%
See attached progress report from ROWSS dated 11-30-2016		
FC 15070 ~ Project Management and Oversight	ROWSS	100%
See attached progress report from ROWSS dated 11-30-2016		
TASK #5 - <u>FC 161 - Drainage</u>		
FC 16101 ~ Hydrologic Map	L&G	100%
Task is complete – See progress report dated 07-2015		
FC 16102 ~ Hydraulic Drainage Study - Culverts	L&G	100%
Task is complete – See progress report dated 07-2015		
FC 16103 ~ Hydraulic Drainage Study - Channels	L&G	100%
Task is complete – See progress report dated 07-2015		
FC 16104 ~ Hydraulic Drainage Study – Irrigation Canals/Siphons	L&G	100%
Task is complete – See progress report dated 09-2015		
FC 16105 ~ Layout, Structural Design and Detailing of Drainage Features - Culverts	L&G	100%
Task is complete – See progress report dated 07-2015		
FC 16106 ~ Layout, Structural Design and Detailing of Drainage Features – Storm Sewers	L&G	100%
Task is complete – See progress report dated 07-2015		
FC 16107 ~ Layout, Structural Design and Detailing of Drainage Features – Outfall Channel(s) Outside of ROW	L&G	100%

Task is complete – See progress report dated 07-2015		
FC 16108 ~ Layout, Structural Design and Detailing of Drainage Features – Summary of Qtys	L&G	100%
Task is complete – See progress report dated 07-2015		
FC 16109 ~ Layout, Structural Design and Detailing of Drainage Features – Storm Water Management Facilities	L&G	100%
Task is complete – See progress report dated 07-2015		
FC 16111 ~ Storm Water Pollution Prevention Plan (SW3P)	L&G	100%
Task is complete – See progress report dated 07-2015		
TASK #6 - <u>FC 163 – Miscellaneous Roadway</u>		
FC 16306 ~ Special Utility Details (Irrigation Lines)	L&G	100%
Task is complete – See progress report dated 08-2015		
FC 16307 ~ Miscellaneous Structures	L&G	100%
Task is complete – See progress report dated 07-2015		
FC 16301 ~ Foundation Studies	L&G	100%
Task is complete – See progress report dated 11-02-2015		
FC 16302 ~ Utility Agreements and Exhibits	L&G	100%
Updated irrigation layouts and bypass layout sheets where signed and sealed and were submitted to TxDOT for there inclusion into the plan set.		
FC 16303 ~ Railroad Sketches	L&G	100%
Task is complete – See progress report dated 06-10-2015		

FC 16304 ~ Traffic Signal Agreement Sketches	L&G	100%
Task is complete – See progress report dated 11-02-2015		
FC 16305 ~ Estimate	L&G	100%
Task is complete – See progress report dated 11-02-2015		
FC 16308 ~ Specifications and General Notes	L&G	100%
Task is complete – See progress report dated 11-02-2015		
TASK #7 - FC 600 – Right-of-Way Acquisition Services – Compensable Utilities		
FC 60000 ~ Right of Way Administration Acquisition	L&G	85%
<p>Project presence has been established at 900 S. Stewart Road in Mission, Texas 78572 @ L&G Engineering-Transportation Consulting Engineers Right of Way Office. The office is open during normal County and State work hours with available personnel to answer questions about the project. One staff member is a current commissioned notary.</p> <p>Coordination for the acquisition continues by meeting with the surveyor, county personnel, TXDOT and Irrigation District. The contracts with the appraiser and review appraiser are in the final stages.</p>		
FC 60001 ~ Title Services	L&G	100%
L&G is now in receipt of all five title commitments		
FC 60002 – Appraisal Services	L&G	0%
No update		
FC 60003 ~ Appraisal Review	L&G	0%
No update		
FC 60004 ~ Parcel Negotiations	L&G	0%
No update		
FC 60005 ~ Closing Services	L&G	0%

No update		
FC 60030 ~ Appraisal Services / SUB	L&G	0%
No update		
FC 60040 – Appraisal Review / SUB	L&G	0%
No update		
FC 60101 ~ Preliminary Design Consultations	L&G	100%
Task is complete – See progress report dated 11-02-2015		
FC 60102 ~ Field Observations and Verifications	L&G	100%
Task is complete – See progress report dated 11-02-2015		
FC 60103 ~ Exchange of Information with Utility Providers	L&G	100%
This task is complete.		
FC 60104 ~ Confirmation of Property Interests	L&G	90%
A letter was generated in response to Enterprise Products' (gas company) letter that they are a compensable utility. In the letter that was generated the county is stating that Enterprise Products' is not a compensable utility, they are with in county ROW and need to adjust their line on their own. We are waiting for a response back from Enterprise Products. No Invoice.		
FC 60105 ~ Develop and Execute Release of Easements	L&G	0%
NO UPDATE.		
FC 60106 ~ Coordination and Development of Joint Use Agreements	L&G	100%
Task is complete – See progress report dated 11-02-2015		
FC 60107 ~ Utility Meetings Throughout Project Development	L&G	100%
This task is now complete.		

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) 585-1909.

Sincerely,



Armando J. Sandoval, P.E.
Project Manager
L&G Engineering



L&G Engineering
 Transportation Consulting Engineers

2100 W. Expressway 83
 Mercedes, TX 78570
 Phone: (956) 565-9813
 Fax: (956) 565-9018
 Toll Free: (888) 565-9813
 Firm No. F-4105

900 S. Stewart Rd., Ste. 10
 Mission, TX 78572
 Phone: (956) 585-1909
 Fax: (956) 585-1927
 Toll Free: (866) 585-1909

Letter of Transmittal

Mr. Raul E. Sesin, P.E. – Drainage District Manager
Attn: Ms. Lora Briones – Chief Financial Manager
 Hidalgo County Drainage District #1
 902 N. Doolittle Rd.
 Edinburg, Texas 78542

DATE:
 April 3, 2017

REF.: Work Authorization #5 on La Joya Watershed Improvement Project
 P.O. #626943

L&G PROJECT NO.:
 130105

TRANSMITTED:

<input checked="" type="checkbox"/> For Your Use	<input type="checkbox"/> Please comment	<input type="checkbox"/> Approved as Noted
<input type="checkbox"/> As Requested	<input type="checkbox"/> Reply ASAP	<input type="checkbox"/> As Noted Below

VIA:

<input type="checkbox"/> US Mail	<input type="checkbox"/> Courier	<input checked="" type="checkbox"/> Hand Carry
<input type="checkbox"/> E-Mail	<input type="checkbox"/> Lonestar Overnight	<input type="checkbox"/> Pick up

COPIES	DESCRIPTION

REMARKS:

Attached is our progress report for the month of March 2017.

If you have any questions or comments, please feel free to contact me or Mr. Damien B. Tijerina, P.E. at 956-585-1909.

Thank you,

A J S

Armando J. Sandoval, P.E.
 Project Manager

RECEIVED
 HIDALGO COUNTY
 DRAINAGE DISTRICT #1

APR 03 2017

11:30 AM PM

BY: *MJP*

Received By _____

L & G Engineering Electronic Data & CAD Disclaimer
By opening the attached files, the user agrees that data provided by this electronic file is for information purposes only and should be used at one's own risk. L & G Engineering, makes no representations, written or verbal, that the information contained in these CAD files are complete or accurate or should be relied upon for construction except to the extent that they are labeled, dimensioned or otherwise noted and reflect exactly what is on the approved and sealed preliminary or final drawings. Any conflict between the information reflected on the sealed plan sheets and that provided via this electronic data file shall be resolved in favor of the sealed plan sheets. Any reproduction of these sheets without the appropriate preliminary stamp, or professional engineering seal and signature, and the express written approval of L & G Engineering, is a violation of the Professional Engineering Practice Act.

3/31/17

HCDD#1



La Joya Watershed Improvement Project WA#6
Task#7: FC 60000

L & G Engineering
Highway / Civil
Structural / Bridge
Environmental
Construction Material Testing

900 S. Stewart Rd. Ste 5
Mission, TX, 78572
Phone : (956) 585-1909
Fax : (956) 585-1927



Hidalgo County Drainage District No. 1

902 North Doolittle Road, Edinburg, TX 78542 Office: 956-292-7080

Invoice Processing Routing Slip

Invoice/ Backup

Date Received: 4/4/2017

Engineer/Firm Name: L&G Consulting Engineers, Inc.

Project Name/Number: Mission Inlet Recertification Project, WA No. 6

Invoice No.: 11326226

Invoice Date: 3/31/2017

Due Date: 5/4/2017

Purchase Order No.: 629786

Amount: \$22,418.14

Total # of Pages Submitted: 6

Attachments: CD USB Plans Other: _____

Engineering:

Construction:

Received By: Maria Perez

Forwarded to:

Nora D. Cavazos _____ Date: _____

Esther Layton _____ Date: _____

Claudette Guerrero _____ Date: _____

Jose N. Saldivar _____ Date: _____

Lora Briones _____ Date: _____

Additional Comments: _____

L & G Consulting Engineers Inc
2100 W. Expressway 83
Mercedes, TX 78570
(956)565-9813 Fax (956)565-9018

INVOICE#: 11326226
INVOICE DATE: 3/31/2017

RECEIVED
 HIDALGO COUNTY
 DRAINAGE DISTRICT #1

APR 04 2017

10:52 AM PM

BY: 

JOB:130206
 Mission Inlet Recertification Project
 WA#6 P.O.#629786

BILL TO: 87
 Hidalgo County Drainage District#1
 902 N. Doolittle
 Edinburg, TX 78542

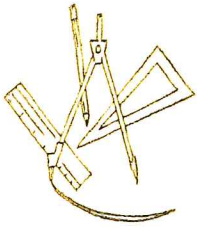
DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
Engineering services for the month of March 2017.						
FC 11003 - PS&E Development	88,581.89	62,007.31	8,858.19	70,865.50	80.0	17,716.39
FC 60001- Right of Way Acquisition Services	41,000.00			0.00	0.0	41,000.00
FC 33001 - Geotechnical Engineering / SUB	7,513.68		7,513.68	7,513.68	100.0	-
FC 16306 - Scour/Erosion Report	10,429.36		5,214.68	5,214.68	50.0	5,214.68
FC 16307 - Utility Coordination	5,477.28			0.00	0.0	5,477.28
FC 16309 - Meetings & Coordination with HCDD#1 and TxDOT	7,853.22	5,496.00	831.59	6,327.59	80.6	1,525.63
	160,855.43	67,503.31	22,418.14	89,921.45	55.9	70,933.98

ORIGINAL CONTRACT SUM \$ 160,855.43
 CHANGE BY CHANGE ORDER \$ 0.00
 CONTRACT SUM TO DATE \$ 160,855.43
 TOTAL COMPLETED TO DATE \$ 89,921.45
 LESS PREVIOUS INVOICES \$ 67,503.31



 PROJECT MANAGER'S SIGNATURE

CURRENT PAYMENT DUE \$ 22,418.14



L&G Engineering Laboratory

Construction Material Testing
Geotechnical Engineering

March 31, 2017

Mr. Jacinto Garza, P.E.
President - L&G Engineering
2100 W. Expressway 83
Mercedes, Texas 78570

RE: Geotechnical Drilling, Testing, & Engineering for Mission Inlet – Los Ebanos Bridge

Dear Mr. Garza,

Attached for your review and approval is our invoice for the services rendered during the month of March 2017 on the subject referenced project.

The following is attached:

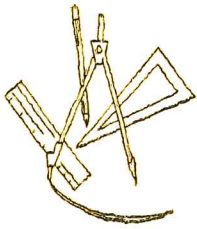
- L & G Lab's Invoice #9878
- Final Geotechnical Report

TASK		% COMPL
FC10208 – FOUNDATION STUDIES	L&G Lab	100%
Update – L&G has completed the Geotechnical Report for the subject project. This task is complete.		
FC10209 – FOUNDATION MATERIAL TESTING	L&G Lab	100%
Update – L&G has completed the Drilling, Field Testing and Laboratory Testing for the subject project. This task is complete.		

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,

David A. Saenz, P.E., C.F.M.
Laboratory Engineer of Record
L&G Engineering Laboratory, LLC



April 3, 2017

Mr. Raul Sesin, P.E. – District Manager
Hidalgo County Drainage District #1
902 N. Doolittle
Edinburg, Texas 78542

RE: Work Authorization #6 on Mission Inlet Recertification Project (Los Ebanos Bridge)

Job # 130206

P.O. # 629786

Dear Mr. Sesin,

Attached for your review and approval is our invoice for the services rendered during the month of March 2017 on the subject referenced project.

The following is attached:

- L&G's Invoice #11326226
- Sub Invoices: L&G Lab Invoice #9878
- CD w/ Electronic Files of Data for:
 - FC 11003, 33010 (SUB), 16306, 16309

TASK		% COMPL
Mission Inlet Recertification Project		
FC 11003 ~ PS&E Development	L&G	80.0%
Update – L&G continued developing the Plan Documents for the project including Title Sheet, Project Layout, Typical Sections, Removal Layout, Plan & Profile, Signing, Striping and SW3P Layout. Preliminary quantities for all major items have been prepared. All pertinent standard sheets have been compiled and included in the plan set. Bridge crossing geometry has been developed (incorporated into a layout) and details are being completed.		
FC 60001 ~ ROW Acquisition Services	L&G	0.0%
No Update – Task Not Started		
FC 33010 ~ SUB – Geotechnical Engineering	L&G Lab	100.0%
Update – Task Complete – See Progress Report and Invoice #9878 from L&G Lab for a detailed explanation of the work that has been completed during this billing period.		

FC 16306 ~ Scour/Erosion Report	L&G	50.0%
Update – L&G has investigated the preliminary hydraulics and scour parameters provided by L&G Lab. Draft scour report has been generated and results included in preliminary foundation design for bridge piling.		
FC 16307 ~ Utility Coordination	L&G	0.0%
No Update – Task Not Started		
FC 16309 ~ Meetings & Coordination with HCDD#1 and TxDOT	L&G	80.0%
Update – L&G continued informal coordination with TxDOT on survey info and other misc. info – Geo, Utilities, etc.		

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) 585-1909.

Sincerely,

David A. Saenz, P.E., C.F.M.
 Project Manager
 L&G Engineering



L&G Engineering
 Transportation Consulting Engineers

2100 W. Expressway 83 900 S. Stewart Rd., Ste. 10
 Mercedes, TX 78570 Mission, TX 78572
 Phone: (956) 565-9813 Phone: (956) 585-1909
 Fax: (956) 565-9018 Fax: (956) 585-1927
 Toll Free: (888) 565-9813 Toll Free: (866) 585-1909
 Firm No. F-4105

Letter of Transmittal

Mr. Raul Sesin, P.E. – District Manager
 Hidalgo County Drainage District #1
 902 N. Doolittle Rd.
 Edinburg, Texas 78542

DATE:
 April 3, 2017

Project: Progress Report & Invoice Package for Various Work Authorizations
 La Joya Watershed Improvement Project
 Mission Inlet Recertification Project

L&G PROJECT NO.:

TRANSMITTED:

<input checked="" type="checkbox"/> For Your Use	<input type="checkbox"/> Please comment	<input type="checkbox"/> Approved as Noted
<input type="checkbox"/> As Requested	<input type="checkbox"/> Reply ASAP	<input type="checkbox"/> As Noted Below

VIA:

<input type="checkbox"/> US Mail	<input type="checkbox"/> Courier	<input checked="" type="checkbox"/> Hand Carry
<input type="checkbox"/> E-Mail	<input type="checkbox"/> Lonestar Overnight	<input type="checkbox"/> Pick up

COPIES	DESCRIPTION
1	Progress Report and Invoice Package (including CD w/Electronic Files) for the following Project:
	<ul style="list-style-type: none"> • Work Authorization #10 on La Joya Watershed Improvement Project <ul style="list-style-type: none"> ○ P.O. #629641, Invoice #11326225 • Work Authorization #6 on Mission Inlet Recertification Project <ul style="list-style-type: none"> ○ P.O. #629786, Invoice #11326226
	RECEIVED
	HIDALGO COUNTY DRAINAGE DISTRICT #1
	APR 04 2017
	10:52 AM/PM
	BY: <u>MTV</u>

REMARKS:

If you have any questions or comments, please feel free to contact me, Mr. David Saenz, P.E., C.F.M. at (956) 585-1909.

Thank you,

Received By: _____

Date: _____ **Time:** _____

**Mission Inlet Recertification
Project
Work Authorization #6**

**Invoice #
11326226**

HCDD#1

4/3/2017

L & G Engineering Electronic Data & CAD Disclaimer by opening the attached files, the user agrees that data provided by this electronic file is for information purposes only and should be used at one's own risk. L & G Engineering makes no representations, written or verbal, that the information contained in these CAD files are complete or accurate or should be relied upon for construction except to the extent that they are labeled, dimensioned or otherwise noted and reflect exactly what is on the approved and sealed preliminary or final drawings. Any conflict between the information reflected on the sealed plan sheets and that provided via this electronic data file shall be resolved in favor of the sealed plan sheets. Any reproduction of these sheets without the appropriate preliminary stamp, or professional engineering seal and signature, and the express written approval of L & G Engineering, is a violation of the Professional Engineering Practice Act.

AI -59426

4.

DRAINAGE - CONSENT

Meeting Date: 04/18/2017

Submitted For: Lora Briones

Submitted By: Claudette Guerrero,
DRAINAGE DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

2013 Bonds

Budget 365-Rural Drainage Development Pct.4

Invoice no. 619302-0317 in the amount of \$1,862.50 from Millennium Engineers Group, Inc. for services performed for the Kenyon Rd & Mile 17 1/2 Drainage Improvement.

PO# _____.

BACKGROUND

Fiscal Impact

Attachments

MEG Inv#619302-0317

Form Review

Inbox

Reviewed By

Date

Final Approval

Monica Badillo

04/13/2017 04:02 PM

Form Started By: Claudette Guerrero

Started On: 04/13/2017 12:02 PM

Final Approval Date: 04/13/2017



Invoice

Date	Invoice #
2/28/2017	619302-0317

Millennium Engineers Group Inc
 PO Box 4569, Edinburg, Texas
 78540-4569

RECEIVED
 HIDALGO COUNTY
 DRAINAGE DISTRICT #1

MAR 15 2017
 8:40 AM / PM
 BY: *Jee*

Bill To
Hidalgo County Drainage District No. 1 902 N. Doolittle Rd Edinburg, Texas 78541

Terms	Due Date	MEG Project
Net 30	3/30/2017	Kenyon Rd & Mile 17 1/2 Drainage Improv

Description	Qty	Rate	Amount
Project Engineer (hourly)	0.5	125.00	62.50
Project Management (hourly)	0.25	75.00	18.75
Clerical (hourly)	1	50.00	50.00
Report No. 01-16-19302-7-1			
Soils Engr. Technician (hourly)	1	50.00	50.00
Nuclear Density Test - Soils (each)	1	28.00	28.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	125.00	62.50
Project Management (hourly)	0.25	75.00	18.75
Clerical (hourly)	1	50.00	50.00

Total	\$1,862.50
--------------	------------

Phone #	Fax #
9567028500	(956) 702-4180

Payments/Credits	\$0.00
Balance Due	\$1,862.50

Make all checks payable to Millennium Engineers Group, Inc.
 Any questions regarding this invoice please contact our Accounts Receivables Department at
 (956) 702-8500



Invoice

Date	Invoice #
2/28/2017	619302-0317

Millennium Engineers Group Inc
 PO Box 4569, Edinburg, Texas
 78540-4569

Bill To
Hidalgo County Drainage District No. 1 902 N. Doolittle Rd Edinburg, Texas 78541

Terms	Due Date	MEG Project
Net 30	3/30/2017	Kenyon Rd & Mile 17 1/2 Drainage Improv

Description	Qty	Rate	Amount
Report No. 01-16-19302-2-1			
Concrete Engr. Technician (hourly)	5	55.00	275.00
Air Content of Fresh Concrete (each)	1	25.00	25.00
Concrete Cylinders Compressive Strength Test (each)	4	16.00	64.00
Vehicle Trip Charge (each)	2	40.00	80.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	125.00	62.50
Project Management (hourly)	0.25	75.00	18.75
Clerical (hourly)	1	50.00	50.00
Report No. 01-16-19302-5-1			
Soils Engr. Technician (hourly)	2.75	50.00	137.50
Moisture Density Relationship-Standard Proctor (each)	1	200.00	200.00
Atterberg Limits (each test)	1	70.00	70.00
Percent Passing No. 200 Sieve (each test)	1	55.00	55.00
Vehicle Trip Charge (each)	1	40.00	40.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	125.00	62.50
Project Management (hourly)	0.25	75.00	18.75
Clerical (hourly)	1	50.00	50.00
Report No. 01-16-19302-6-1			
Soils Engr. Technician (hourly)	2.5	50.00	125.00
Nuclear Density Test - Soils (each)	1	28.00	28.00
Vehicle Trip Charge (each)	1	40.00	40.00
Test Report (each)	1	30.00	30.00

Total

Payments/Credits

Balance Due

Phone #	Fax #
9567028500	(956) 702-4180

**CONCRETE INSPECTION SERVICES
FIELD TESTING REPORT**



Project Name: Kenyon Rd and Mile 17 1/2
Area Drainage Improvements
Client: Hidalgo County Drainage District No. 1

MEG Report Number: 01-16-19302-2-1
Service Date: January 25, 2017
Reported Date: January 26, 2017

CONCRETE INSPECTION SERVICES

On 01/25/17 a representative of Millennium Engineers Group, Inc. was dispatched to the project site to perform inspection of the placement of ready mix concrete at the Junction Box.

Set No.	Total Samples	Cylinder Size (In)	Time Sampled	Slump (In)	Air Content
1	4	4 x 8	2:10 p.m.	4	1.0%

On 01/26/17 a representative of Millennium Engineers Group, Inc. was dispatched to the project site to pick up the specimens cast on the previous day. The specimens were transported to the laboratory where they were striped from their forms, properly labeled, and placed in curing tanks in preparation for compressive strength testing intervals of 7 and 28 days.

MILLENNIUM ENGINEERS GROUP, INC.
TBPE FIRM No. F-3913

Raul Palma, Senior Materials Engineer

Sergio Tovar (stovar@megengineers.com)

From: Jesse Alvarez <jose.alvarez@co.hidalgo.tx.us>
Sent: Wednesday, January 25, 2017 9:12 AM
To: stovar@megengineers.com
Cc: Raul Sesin; Eliza Yzaguirre; Noe Saldivar; jorge.gonzalez@hcdd1.org; claudette.guerrero@hcdd1.org; Nora Cavazos; Ben Garza; Mellinnium; Mellinnium
Subject: Hidalgo County Drainage District No. 1 Kenyon Road and Mile 17 Area Drainage Improvements

Good Morning Sergio,

Please see Testing Request Below:

Date of Service Requested: 01-25-17 Wednesday

Project Name/Location: Hidalgo County Drainage District No. 1 Kenyon Road and Mile 17 Area Drainage Improvements

Time of Needed Services: ~~10:30 AM~~ 2:00pm

Type of Service Requested: One Set of Concete
Cylinders for Type M Junction Box @ Sta.
0+12

-
-
-
-

Note: Testing Time had already been coordinated with S.Tovar

Thank You

Jesse Alvarez
Construction Inspector
County of Hidalgo Engineering Projects Office
902 Doolittle Rd.
Edinburg , Texas 78542
Office : 956-702-7000 ext 2029
Mobile:956-533-3992

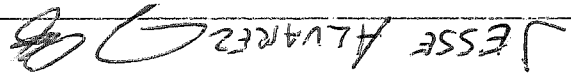
Sent from my iPhone

D.O.S. Requested: _____
Time of Needed Services: 8:00AM/PM

Project Name/Location: H.C.D.D. NO. 1 KENYON RD. @ MILE 17 1/2
AREA DRAINAGE IMPROVEMENTS

Type of Service Requested: 1 SET OF CONCRETE CYLINDERS

Note: _____

Auth Representative: JESSE ALVAREZ 

D.O.S. Requested: _____

Time of Needed Services: 2:00 AM/PM

Project

Name/Location: H.C.D.D. NO. 1 KENYON RD. & MILE 17 1/2
AREA DRAINAGE IMPROVEMENTS

Type of Service

Requested: 1 SET OF CONCRETE CYLINDERS

Note: _____

Auth

Representative: JESSE ALVAREZ 

**SOILS MATERIAL
LABORATORY TESTING REPORT**



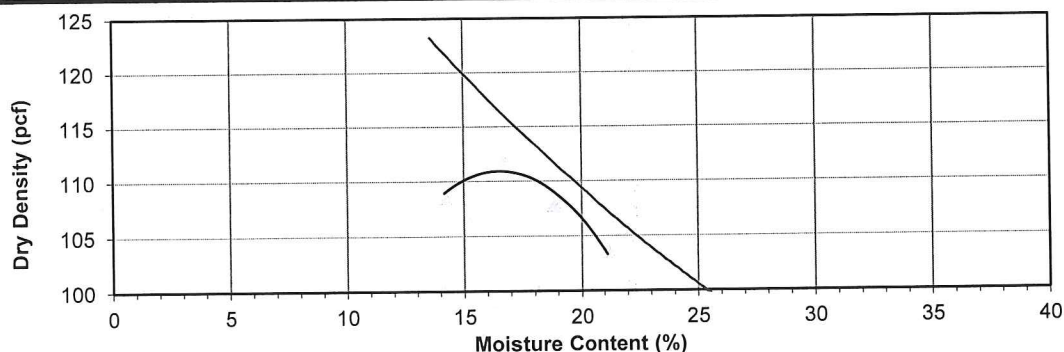
Project Name: Kenyon Rd and Mile 17 1/2
Area Drainage Improvements
Client: Hidalgo County Drainage District No. 1

MEG Report Number: 01-16-19302-5-1
Service Date: February 13, 2017
Reported Date: February 16, 2017

GENERAL INFORMATION

Material Type: Backfill Soil I.D.: 3552
Sample Location: Kenyon Rd and Mile 17 1/2
STA 55+00, crossing

MOISTURE DENSITY RELATIONSHIP (ASTM D 698)



Maximum Dry Density
111.0 pcf

Optimum Moisture
16.6 %

MATERIAL FINER THAN NO. 200 (ASTM D 1140)

Sieve Size	Cummulative Percent Retained, %	Cummulative Percent Finer, %	Spec. Limits	
			Lower	Upper
No. 4	0.0	100.0	N/A	N/A
No. 10	0.0	100.0	N/A	N/A
No. 40	0.6	99.4	N/A	N/A
No. 200	43.1	56.9	N/A	N/A

*Specification limits on cummulative percent retained.

SOIL CLASSIFICATION (ASTM D 2487)

Material Description	USCS
Brown Sandy Clay	N/A

PLASTICITY INDEX (ASTM D 4318)

LL: 31	LL Spec.: N/A
PL: 15	PL Spec.: N/A
PI: 16	PI Spec.: N/A

MILLENNIUM ENGINEERS GROUP, INC.
TBPE FIRM No. F-3913

Raul Palma, Senior Materials Engineer

Sergio Tovar (stovar@megengineers.com)

From: Jose Alvarez <jose.alvarez1@hcdd1.org>
Sent: Monday, February 13, 2017 8:08 AM
To: stovar@megengineers.com
Cc: 'Raul Sesin'; 'Areanna E. Yzaguirre'; 'Noe Saldivar'; jorge.gonzalez@hcdd1.org; 'Mellinnium'; 'Mellinnium'; bengarza40@gmail.com
Subject: Hidalgo County Drainage District No. 1 Kenyon Road And Mile Area Drainage Improvements Project

Good Morning Sergio ,

Please see below for Testing Request,

Date of Service Requested: 02-13-17 Monday

Time of Needed Services: 09:00 AM

Project Name/Location: Mile 17 Road Crossing

Type of Service Requested: Trench Back-Fill Proctor Pick-up

Note: Testing Time has already been coordinated with Sergio Tovar

Thank You

Jesse Alvarez

Construction Inspector

Hidalgo County Drainage District No. 1

Engineering Projects Office

902 Doolittle Rd.

Edinburg, Texas 78542

956-292-7000 ext. 2029

956-533-3992 Mobile

jose.alvarez1@hcdd1.org

County of Hidalgo



REQUEST FOR SERVICES (CMT)

Date of Requested Services: 2-13-17 Time: 8:30 AM PM

Project Name/Location: KENYON RD. & MILE 17 AREA DRAINAGE IMPROVEMENTS,
@ MILE 17 CROSSING

Services Requested: Backfill sample pit @ STA 55+50
@ MILE 17 CROSSING

Comments: _____

Signature of Owner's Authorized Representative: 

Printed Name of Representative: JESSE ALVAREZ

**NUCLEAR MOISTURE DENSITY
FIELD REPORT**



Project Name: Kenyon Rd and Mile 17 1/2
Area Drainage Improvements
Client: Hidalgo County Drainage District No. 1

MEG Report Number: 01-16-19302-7-1
Service Date: February 17, 2017
Reported Date: February 21, 2017

GENERAL INFORMATION

Area Tested: Street Crossings
Material Description: Brown Sandy Clay
Required % of Proctor: 95 Percent
Required Moisture Range: -2 to +2
Required Depth: 12 Inches

MOISTURE DENSITY RELATIONSHIP

Soil I.D.: N/A
Material Type: Backfill
Optimum Dry Density(pcf): 111.0
Optimum Moisture(%): 16.6

FIELD DENSITY TEST DATA (ASTM D 6938)

Test Number	Test Location	Moisture Content	Dry Density	Percent Compaction	Depth Tested
1	17th St. & Kenyon Rd 18' Irrigation Line Crossing @ STA 55+00	17.1 % Pass	110.5 pcf	99.5 % Pass	12 (In.)
2	17th St. & Kenyon Rd 18' Irrigation Line Crossing @ STA 53+50	15.3 % Pass	110.8 pcf	99.8 % Pass	12 (In.)

Comment: Field testing done in general accordance with ASTM D 6938.

MILLENNIUM ENGINEERS GROUP, INC.
TBPE FIRM No. F-3913

Raul Palma, Senior Materials Engineer

Sergio Tovar (stovar@megengineers.com)

From: Jose Alvarez <jose.alvarez1@hcdd1.org>
Sent: Friday, February 17, 2017 12:33 PM
To: Sergio Tovar
Cc: Raul Sesin; Eliza Yzaguirre; Noe Saldivar; Jorge Gonzalez; Humberto Palma; Humberto Palma; rpalma@megengineers.com; Ben Garza
Subject: Hidalgo County Drainage District No. 1 Kenyon Road and Mile 17 Area Drainage Improvements

Good Afternoon Sergio,

Please see Testing Request Below:

Date of Service Requested: 02-17-17 Friday

Project Name/Location: Hidalgo County Drainage District No. 1 Kenyon Road and Mile 17 Area Drainage Improvements

Time of Needed Services: 02:00 pm & 4:00

Type of Service Requested: Compaction Densities for 18" Irrigation Line Trench Backfill Crossing @ Mile 17 Crossing

-
-
-
-
Note: Testing Time had already been coordinated with S.Tovar



REQUEST FOR SERVICES (CMT)

Date of Requested Services: 02-17-17 Time: 4:00 AM PM

Project Name/Location: KENYON RD. & MILE 17 ROAD AREA
DRAINAGE IMPROVEMENTS

Services Requested: 1) COMPACTION TRENCH BACKFILL DENSITIES
2) CALICHE PROCTOR PICK-UP @ PROJECT SITE

Comments: _____

Signature of Owner's Authorized Representative: [Signature]

Printed Name of Representative: JESSE ALVAREZ

**NUCLEAR MOISTURE DENSITY
FIELD REPORT**



Project Name: Kenyon Rd and Mile 17 1/2
Area Drainage Improvements
Client: Hidalgo County Drainage District No. 1

MEG Report Number: 01-16-19302-6-1
Service Date: February 17, 2017
Reported Date: February 23, 2017

GENERAL INFORMATION

Area Tested: Crossings
Material Description: Brown Sandy Clay
Required % of Proctor: 95 Percent
Required Moisture Range: -2 to +2
Required Depth: 12 Inches

MOISTURE DENSITY RELATIONSHIP

Soil I.D.: N/A
Material Type: Backfill
Optimum Dry Density(pcf): 111.0
Optimum Moisture(%): 16.6

FIELD DENSITY TEST DATA (ASTM D 6938)

Test Number	Test Location	Moisture Content	Dry Density	Percent Compaction	Depth Tested
1	Mile 17 1/2 & Kenyon Rd 18' Irrigation Line Crossing @ STA 34+50	18.1 % Pass	106.2 pcf	95.7 % Pass	12 (In.)

Comment: Field testing done in general accordance with ASTM D 6938.

MILLENNIUM ENGINEERS GROUP, INC.
TBPE FIRM No. F-3913

Raul Palma, Senior Materials Engineer

CONCRETE COMPRESSIVE STRENGTH LABORATORY TESTING REPORT



Project Name: Kenyon Rd and Mile 17 1/2
Area Drainage Improvements
Client: Hidalgo County Drainage District No. 1

MEG Report Number: 01-16-19302-3-1
Service Date: January 25, 2017
Reported Date: February 2, 2017

PLACEMENT AND SET DATA (ASTM C 31)

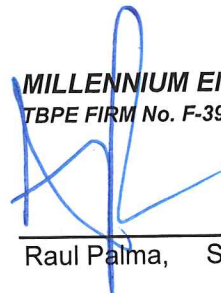
Mix I.D.:	N/A	Structure:	Junction Box
Supplier:	CAPA	Location:	Junction Box @ Kenyon Rd and Mile 17 1/2
Specified Strength:	3600 psi at 28 days	Cubic Yards:	3.5 (CY)
Specified Slump:	5 Inches	Slump:	4 Inches
Specified Air Content:	N/A Percent	Air Content:	1.0 Percent
Truck Number:	463	Weather Conditions:	Sunny
Plant Ticket Number:	2037093	Ambient Air Temp.:	85 Degrees (F)
Time Batched:	1:33 PM	Concrete Temp.:	80 Degrees (F)
Time Sampled:	2:10 PM	Water Added:	5 (Gal.)
Cylinder Size:	4x8 Inch Cylinder		

COMPRESSIVE STRENGTH TEST DATA (ASTM C 39)

Specimen No.	Cross-sectional Area(sq. in.)	Test Date	Age (days)	Max. Load (lbs.)	Type of Fracture (1 - 6)	Compressive Strength (psi)	Test Result (Pass/Fail)
1A	12.57	2/1/17	7	45665	2	3633	

Field testing of fresh concrete and laboratory testing of hardened concrete specimens performed in accordance with applicable ASTM or TxDOT standards as required by the project specifications. Specimens not scheduled for testing will be discarded after 28 days.

Fracture Type: 1- Cone; 2- Cone/Split; 3- Columnar; 4- Shear; 5- Side Fracture; 6- Side Fracture, Pointed.


MILLENNIUM ENGINEERS GROUP, INC.
TBPE FIRM No. F-3913
Raul Palma, Senior Materials Engineer

**CONCRETE COMPRESSIVE STRENGTH
LABORATORY TESTING REPORT**



Project Name: Kenyon Rd and Mile 17 1/2
Area Drainage Improvements
Client: Hidalgo County Drainage District No. 1

MEG Report Number: 01-16-19302-4-1
Service Date: January 25, 2017
Reported Date: February 22, 2017

PLACEMENT AND SET DATA (ASTM C 31)

Mix I.D.:	N/A	Structure:	Junction Box
Supplier:	CAPA	Location:	Junction Box @ Kenyon Rd and Mile 17 1/2
Specified Strength:	3600 psi at 28 days	Cubic Yards:	3.5 (CY)
Specified Slump:	5 Inches	Slump:	4 Inches
Specified Air Content:	N/A Percent	Air Content:	1.0 Percent
Truck Number:	463	Weather Conditions:	Sunny
Plant Ticket Number:	2037093	Ambient Air Temp.:	85 Degrees (F)
Time Batched:	1:33 PM	Concrete Temp.:	80 Degrees (F)
Time Sampled:	2:10 PM	Water Added:	5 (Gal.)
Cylinder Size:	4x8 Inch Cylinder		

COMPRESSIVE STRENGTH TEST DATA (ASTM C 39)

Specimen No.	Cross-sectional Area(sq. in.)	Test Date	Age (days)	Max. Load (lbs.)	Type of Fracture (1 - 6)	Compressive Strength (psi)	Test Result (Pass/Fail)
1A	12.57	2/1/17	7	45665	2	3633	
1B	12.57	2/21/17	28	64690	3	5148	Pass
1C	12.57	2/21/17	28	62085	3	4941	Pass
1D	12.57	2/21/17	28	62540	3	4977	Pass

Field testing of fresh concrete and laboratory testing of hardened concrete specimens performed in accordance with applicable ASTM or TxDOT standards as required by the project specifications. Specimens not scheduled for testing will be discarded after 28 days.

Fracture Type: 1- Cone; 2- Cone/Split; 3- Columnar; 4- Shear; 5- Side Fracture; 6- Side Fracture, Pointed.

MILLENNIUM ENGINEERS GROUP, INC.
TBPE FIRM No. F-3913

Raul Palma, Senior Materials Engineer