



**CONSENT AGENDA
DRAINAGE DISTRICT
BOARD OF DIRECTORS
October 25, 2016
9:00 A.M.**

NOTICE is hereby given in accordance with Chapter 551, Texas Government Code, that a REGULAR 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being discussed separately unless requested by a Board Member, in which event the item or items will immediately be withdrawn for individual consideration in its normal sequence after the items not requiring separate discussion have been acted upon.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 -56957** Discharge Permit
Quintanilla, Headley & Associates, Inc.- Medical Ridge Subdivision
3. **AI -57014** Discharge Permit
R.E. Garcia & Associates- Ranchitos de San Carlos Subdivision
4. **AI -56993** For Clarification purposes only: Agenda Item No. 56685 (A) states Safety Inspector should be Safety Officer.
5. **AI -56982 2013 Bonds**
Budget: 020-Mission Inlet Recertification
Engineering Firm: L&G Consulting Engineers
A. Invoice No. 11325927 in the amount of \$64,106.57 related to Work Authorization No.5-FEMA Re-Evaluation & PS&E of the Mission Inlet Project.
P.O.#628488.
B. Invoice No. 11325926 in the amount of \$9,633.51 related to Work Authorization No. 6-Los Ebanos Replacement Bridge for the Mission Inlet

Project.
P.O.#629786.

Budget: 300 J09 Project

Engineering Firm: L&G Consulting Engineers

C. Invoice No. 16-9-000019 in the amount of \$3,672.61 related to Work Authorization No. 4-On Call Services for Construction Materials Testing for J09 Drain Project Ph.2 (Rio Grande Care Rd to N. Main Drain.).
P.O.#629471

Budget 365-Rural Drainage Development

Pct.1

Engineering Firm: Urban Infrastructure Group, Inc.

D. Invoice No. 1016112808 in the amount of \$4,800.00 related to Work Authorization No. 5-Additional Surveying Services for Pct.1 Mile 13.5 and FM 1015 Area Drain.
P.O.#630388

Pct.4

Engineering Firm: L&G Consulting Engineers

E. Invoice No. 16-9-000018 in the amount of \$986.61 related to Work Authorization No. 2-On Call Services for Construction Material Testing.
P.O.#628202

6. **AI -57022** 2013 Bond Project, fund through TWDB Grant:
Request approval of S & B Infrastructure Invoice No. U9444.103/812-16A for Hidalgo and Willacy Counties - Planning, Design and Preliminary Engineering, and PS&E in the amount of \$106,010 - Work Authorization # 17 for the month of May 2016.

AI -56957

2.

DRAINAGE - CONSENT

Meeting Date: 10/25/2016

Submitted For: Esther Layton

Submitted By: Esther Layton, DRAINAGE
DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

Discharge Permit

Quintanilla, Headley & Associates, Inc.- Medical Ridge Subdivision

BACKGROUND

Fiscal Impact

Attachments

Discharge Permit

Form Review

Inbox	Reviewed By	Date
Final Approval	Monica Badillo	10/21/2016 05:23 PM
Form Started By: Esther Layton		Started On: 10/19/2016 04:42 PM
Final Approval Date: 10/21/2016		

APPLICATION FOR DISCHARGING STORM WATER
INTO H.C.D.D. NO. 1 SYSTEM**

Applicant: City of Pharr Permit No: _____

Address: 118 S. Cage Pharr, Texas 78577

Subdivision Name: Medical Ridge Subdivision

Name of Receiving Ditch: Pharr – McAllen South Drain

Location or Drainage Area (Furnish Location Map): see attached layout

X(coordinate): 26°10'44" N Y(coordinate): 98°11'55" W
(NAD 1983 Texas South FIPS 4205 feet)

New or existing entrance: New Calculated Run-off: 19.59 C.F.

Number of Acres Developed: 21.12 Size of Pipe: 24" R.C.P.

Size of Box Culvert: _____ Ditch Lateral (size of entrance) sq. ft.: _____

Discharge Flow line of Pipe, Box Culvert, Ditch Lateral: 96.40

Flow line Receiving Ditch: 94.40 Top of Water Receiving Ditch: 94.40

Top of Ditch Elevation: 111.10 Top of water of Connecting Ditch Lateral: _____

Head Loss Calculated: 1.16 Formula Used: TxDOT Nomograph

Project Engineer: Alfonso Quintanilla, P.E. Quintanilla, Headley & Associates, Inc.
(Engineer's Name) (Firm's Name)

124 E. Stubbs, Edinburg, Texas 78539 956/381-6480 956/381-0527
(Address) (Phone #) (Fax #)

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

[Signature]
(Owner's Signature)

[Signature] (Mayor's Signature) (City of)
Ambrosio Hernandez 10/7/16
(Mayor-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.

(Irrigation District)

By: _____

Title: _____

Date: _____

If not an Irrigation District facility, please sign on line below as acknowledgement:

HIDALGO COUNTY IRRIGATION DIST. 2 Sonny Lujan 10/10/16
(Irrigation District)

APPROVAL OF DRAINAGE DISTRICT

APPROVED this _____ day of _____, 20 ____.

By: _____
(Hidalgo County Drainage District Number One)

** This application requires Board of Director's approval. 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 -57014

3.

DRAINAGE - CONSENT

Meeting Date: 10/25/2016

Submitted For: Esther Layton

Submitted By: Esther Layton, DRAINAGE
DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

Discharge Permit

R.E. Garcia & Associates- Ranchitos de San Carlos Subdivision

BACKGROUND

Fiscal Impact

Attachments

Discharge Permit

Form Review

Inbox	Reviewed By	Date
Final Approval	Monica Badillo	10/21/2016 05:23 PM
Form Started By: Esther Layton		Started On: 10/21/2016 02:03 PM
Final Approval Date: 10/21/2016		

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

Applicant: Graciela Estates, LTD. Permit No: _____

Address: 916 S. McColl Road, Edinburg, Texas 78539

Subdivision Name: Ranchitos de San Carlos

Name of Receiving Ditch: Curry Drain
Unnamed HCDD # 1 Drainage Ditch

Location or Drainage Area (Furnish Location Map): Attached

X (coordinate): 16627322.209 Y (coordinate): 1123677.918
(NAD 1983 Texas South FIPS 4205 feet)

New or existing entrance: NEW Calculated Discharge (Q): 5.77 CFS

Number of Acres Developed: 17.10 Size of Discharge Structure: 30"

Discharge Flow line of Discharge Structure: 69.50

Flow line Receiving Ditch: 68.51 Top of Water Receiving Ditch: n/a

Top of Receiving Ditch Elevation: 85.41 Top of water of Connecting Ditch Lateral: n/a

Head Loss Calculated: 0.01 Formula Used: $\Delta Y' = (1 - CO)\Delta hV$

Project Engineer: Raul E. Garcia, P.E., R.P.I.S. R. E. Garcia & Associates
(Engineer's Name) (Firm's Name)

116 N. 12th (Address) (956) 381-1061 (Phone #) (956) 381-1280 (Fax #)

[Signature] (Engineer Signature) 10/14/16 (Date)

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

[Signature] (Mayor's Signature) City of Edinburg (Owner's Signature) (Date)

[Signature] (Mayor-Print Name) 10/20/16 (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:

Irrigation District: HCID #1

By (Printed Name): Rusty McDaniel Signature: _____

Title: General Manager Date: 10/18/16

Not an Irrigation District Facility [Signature]

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 -56993

4.

DRAINAGE - CONSENT

Meeting Date: 10/25/2016

Submitted For: Jaime Salazar

Submitted By: Jaime Salazar, DRAINAGE
DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

For Clarification purposes only: Agenda Item No. 56685 (A) states Safety Inspector should be Safety Officer.

BACKGROUND

Fiscal Impact

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
Final Approval	Monica Badillo	10/21/2016 05:23 PM
Form Started By: Jaime Salazar		Started On: 10/20/2016 05:39 PM
Final Approval Date: 10/21/2016		

AI -56982

5.

DRAINAGE - CONSENT

Meeting Date: 10/25/2016

Submitted For: Lora Briones

Submitted By: Claudette Guerrero,
DRAINAGE DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

2013 Bonds

Budget: 020-Mission Inlet Recertification

Engineering Firm: L&G Consulting Engineers

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B. Invoice No. 11325926 in the amount of \$9,633.51 related to Work Authorization No. 6-Los Ebanos Replacement Bridge for the Mission Inlet Project. P.O.#629786.

Budget: 300 J09 Project

Engineering Firm: L&G Consulting Engineers

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Pct.4

Engineering Firm: L&G Consulting Engineers

E. Invoice No. 16-9-000018 in the amount of \$986.61 related to Work Authorization No. 2-On Call Services for Construction Material Testing.

P.O.#628202

BACKGROUND

Fiscal Impact

Attachments

L&G Inv#16-9-000019

L&G Inv#16-9-000018

Urban Inv#1016112808

L&G Inv#11325927

L&G Inv#11325926

Form Review

Inbox

Reviewed By

Date

Final Approval

Monica Badillo

10/21/2016 05:23 PM

Form Started By: Claudette Guerrero

Started On: 10/20/2016 04:02 PM

Final Approval Date: 10/21/2016



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: 10/3/2016

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

Project Name/Number: J-09 Drain Improvements Phase II, WA No. 4

Invoice No.: 16-9-000019

Invoice Date: 9/26/2016

Due Date: 11/2/2016

Purchase Order No.: 629471

Amount: \$3,672.61

Total # of Pages Submitted: 19

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: _____



OCT 03 2016

2:58 AM / PM

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

Client Address: Hidalgo County Drainage District No. 1
 Accounts Payable
 902 N. Doolittle Rd.

 Edinburg, TX. 78541

Account No.: E87

Project No.: E871601

Project Desc.: J-09 Drain Improvements Ph. II
 (Rio Grande Care Rd. to N. Main Drain)

Due Date: UPON RECEIPT

Budget/Remaining: \$22,243.07 / \$14,731.49

PO: 629471

==== 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
910:91009 - M-D ASTM D698 (Standard Proctor) (each)	\$205.82	1.00	\$205.82
910:91011 - Field Density (Nuclear Method)	\$24.63	2.00	\$49.26
920:92033 - Air Content (Pressure Method)	\$24.58	3.00	\$73.74
920:92034 - Comp. Strength of Cyl. Specimen	\$16.40	15.00	\$246.00
920:92035 - Cyl. Specimen Prep./Hold/Cure	\$12.36	12.00	\$148.32
940:94047 - Eng. Tech. (Concrete / Lab)	\$52.88	3.75	\$198.30
940:94048 - Eng. Tech. (Soils / SP.)	\$52.88	6.00	\$317.28
940:94050 - Eng. Tech. (Concrete)	\$52.88	14.50	\$766.76
940:94054 - Engineering Specialist	\$105.76	3.00	\$317.28
940:94055 - Engineer / P.E.	\$133.76	3.00	\$401.28
950:95058 - Vehicle Trip Charge	\$0.56	360.00	\$201.60
950:95060 - Administrative / Clerical	\$62.21	6.00	\$373.32
950:95061 - Test Report	\$24.30	12.00	\$291.60
Total for this Invoice:			\$3,672.61

==== 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>
R005-56	07/20/2016	1.00	920:92034 - Comp. Strength of Cyl. Specimen	Each	\$16.40	\$16.40
R005-56	07/20/2016	0.25	940:94047 - Eng. Tech. (Concrete / Lab)	Each	\$52.88	\$13.22
R005-56	07/20/2016	0.25	940:94054 - Engineering Specialist	Hour	\$105.76	\$26.44
R005-56	07/20/2016	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44

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>
R005-56	07/20/2016	0.50	950:95060 - Administrative / Clerical	Each	\$62.21	\$31.11
R005-56	07/20/2016	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R005-56 for a Subtotal of:						\$144.91
R009-28	08/01/2016	2.00	920:92034 - Comp. Strength of Cyl. Specimen	Each	\$16.40	\$32.80
R009-28	08/01/2016	0.50	940:94047 - Eng. Tech. (Concrete / Lab)	Each	\$52.88	\$26.44
R009-28	08/01/2016	0.25	940:94054 - Engineering Specialist	Hour	\$105.76	\$26.44
R009-28	08/01/2016	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44
R009-28	08/01/2016	0.50	950:95060 - Administrative / Clerical	Each	\$62.21	\$31.11
R009-28	08/01/2016	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R009-28 for a Subtotal of:						\$174.53
R010-28	08/03/2016	2.00	920:92034 - Comp. Strength of Cyl. Specimen	Each	\$16.40	\$32.80
R010-28	08/03/2016	0.50	940:94047 - Eng. Tech. (Concrete / Lab)	Each	\$52.88	\$26.44
R010-28	08/03/2016	0.25	940:94054 - Engineering Specialist	Hour	\$105.76	\$26.44
R010-28	08/03/2016	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44
R010-28	08/03/2016	0.50	950:95060 - Administrative / Clerical	Each	\$62.21	\$31.11
R010-28	08/03/2016	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R010-28 for a Subtotal of:						\$174.53
R012-28	08/19/2016	4.00	920:92034 - Comp. Strength of Cyl. Specimen	Each	\$16.40	\$65.60
R012-28	08/19/2016	1.00	940:94047 - Eng. Tech. (Concrete / Lab)	Each	\$52.88	\$52.88
R012-28	08/19/2016	0.25	940:94054 - Engineering Specialist	Hour	\$105.76	\$26.44
R012-28	08/19/2016	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44
R012-28	08/19/2016	0.50	950:95060 - Administrative / Clerical	Each	\$62.21	\$31.11
R012-28	08/19/2016	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R012-28 for a Subtotal of:						\$233.77
R013	08/30/2016	1.00	910:91004 - Atterberg Limits Det	Each	\$82.05	\$82.05
R013	08/30/2016	1.00	910:91009 - M-D ASTM D698 (Standard Proctor) (each)	Each	\$205.82	\$205.82

**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>
R013	08/30/2016	3.00	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$52.88	\$158.64
R013	08/30/2016	0.25	940:94054 - Engineering Specialist	Hour	\$105.76	\$26.44
R013	08/30/2016	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44
R013	08/30/2016	60.00	950:95058 - Vehicle Trip Charge	Mile	\$0.56	\$33.60
R013	08/30/2016	0.50	950:95060 - Administrative / Clerical	Each	\$62.21	\$31.11
R013	08/30/2016	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R013 for a Subtotal of:						\$595.40
R014	09/02/2016	2.00	910:91011 - Field Density (Nuclear Method)	Each	\$24.63	\$49.26
R014	09/02/2016	3.00	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$52.88	\$158.64
R014	09/02/2016	0.25	940:94054 - Engineering Specialist	Hour	\$105.76	\$26.44
R014	09/02/2016	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44
R014	09/02/2016	60.00	950:95058 - Vehicle Trip Charge	Mile	\$0.56	\$33.60
R014	09/02/2016	0.50	950:95060 - Administrative / Clerical	Each	\$62.21	\$31.11
R014	09/02/2016	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R014 for a Subtotal of:						\$356.79
R015	09/08/2016	1.00	920:92033 - Air Content (Pressure Method)	Each	\$24.58	\$24.58
R015	09/08/2016	4.00	920:92035 - Cyl. Specimen Prep./Hold/Cure	Each	\$12.36	\$49.44
R015	09/08/2016	4.00	940:94050 - Eng. Tech. (Concrete)	Hour	\$52.88	\$211.52
R015	09/08/2016	0.25	940:94054 - Engineering Specialist	Hour	\$105.76	\$26.44
R015	09/08/2016	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44
R015	09/08/2016	60.00	950:95058 - Vehicle Trip Charge	Mile	\$0.56	\$33.60
R015	09/08/2016	0.50	950:95060 - Administrative / Clerical	Each	\$62.21	\$31.11
R015	09/08/2016	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R015 for a Subtotal of:						\$434.43
R016	09/09/2016	1.00	920:92033 - Air Content (Pressure Method)	Each	\$24.58	\$24.58
R016	09/09/2016	4.00	920:92035 - Cyl. Specimen Prep./Hold/Cure	Each	\$12.36	\$49.44

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

Net 30 Days

**PAST DUE BALANCES SUBJECT TO 1.5% SERVICE CHARGE PER MONTH
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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>
R016	09/09/2016	5.50	940:94050 - Eng. Tech. (Concrete)	Hour	\$52.88	\$290.84
R016	09/09/2016	0.25	940:94054 - Engineering Specialist	Hour	\$105.76	\$26.44
R016	09/09/2016	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44
R016	09/09/2016	60.00	950:95058 - Vehicle Trip Charge	Mile	\$0.56	\$33.60
R016	09/09/2016	0.50	950:95060 - Administrative / Clerical	Each	\$62.21	\$31.11
R016	09/09/2016	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
<i>Report Number R016 for a Subtotal of:</i>						\$513.75
R017	09/10/2016	1.00	920:92033 - Air Content (Pressure Method)	Each	\$24.58	\$24.58
R017	09/10/2016	4.00	920:92035 - Cyl. Specimen Prep./Hold/Cure	Each	\$12.36	\$49.44
R017	09/10/2016	5.00	940:94050 - Eng. Tech. (Concrete)	Hour	\$52.88	\$264.40
R017	09/10/2016	0.25	940:94054 - Engineering Specialist	Hour	\$105.76	\$26.44
R017	09/10/2016	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44
R017	09/10/2016	120.00	950:95058 - Vehicle Trip Charge	Mile	\$0.56	\$67.20
R017	09/10/2016	0.50	950:95060 - Administrative / Clerical	Each	\$62.21	\$31.11
R017	09/10/2016	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
<i>Report Number R017 for a Subtotal of:</i>						\$520.91
R018	09/08/2016	2.00	920:92034 - Comp. Strength of Cyl. Specimen	Each	\$16.40	\$32.80
R018	09/08/2016	0.50	940:94047 - Eng. Tech. (Concrete / Lab)	Each	\$52.88	\$26.44
R018	09/08/2016	0.25	940:94054 - Engineering Specialist	Hour	\$105.76	\$26.44
R018	09/08/2016	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44
R018	09/08/2016	0.50	950:95060 - Administrative / Clerical	Each	\$62.21	\$31.11
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<i>Report Number R018 for a Subtotal of:</i>						\$174.53
R019	09/09/2016	2.00	920:92034 - Comp. Strength of Cyl. Specimen	Each	\$16.40	\$32.80
R019	09/09/2016	0.50	940:94047 - Eng. Tech. (Concrete / Lab)	Each	\$52.88	\$26.44
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Mercedes, TX 78570
Office (956) 565-0760 Fax (956) 565-6746**

Net 30 Days

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<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>
R019	09/09/2016	0.50	950:95060 - Administrative / Clerical	Each	\$62.21	\$31.11
R019	09/09/2016	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R019 for a Subtotal of:						\$174.53
R020	09/10/2016	2.00	920:92034 - Comp. Strength of Cyl. Specimen	Each	\$16.40	\$32.80
R020	09/10/2016	0.50	940:94047 - Eng. Tech. (Concrete / Lab)	Each	\$52.88	\$26.44
R020	09/10/2016	0.25	940:94054 - Engineering Specialist	Hour	\$105.76	\$26.44
R020	09/10/2016	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44
R020	09/10/2016	0.50	950:95060 - Administrative / Clerical	Each	\$62.21	\$31.11
R020	09/10/2016	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R020 for a Subtotal of:						\$174.53
Total for this Invoice:						\$3,672.61

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

**CONCRETE COMPRESSION
TEST REPORT**

Project Description: J-09 Drain Improvements Ph. II
 Care Rd. to N. Main Drain)
 Client: Hidalgo County Drainage District No. 1
 Engineer: TEDSI Engineering
 Contractor: Texas Cordia Construction, LLC

(Rio Grande L&G Project Number: E871601
 L&G Report Number: R005-56
 Sample Date: 07/20/2016
 Date Reported: 09/14/2016

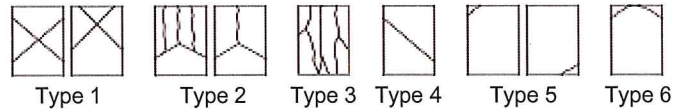
Client PO: 629471

Page 1 of 1

Placement Location: Rip Rap Sta 378+00
 Mix ID: 214045633 Supplier: Alamo Concrete
 Specified Strength: 4,000 P.S.I. @ 28 days
 Specified Slump: N/A Slump: 5.5"
 Specified Air Content: N/A Air Content: 1.7%
 Weather Conditions: Humid & Windy Air Temp.: 77°F
 Time Batched: 6:00 am Time Sampled: 6:32 am Concrete Temp.: 89°F
 Plant Ticket No: 56315 Truck No: 7225 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
2	A	07/27/2016	7	88,115	Type 6	3,120		78.00%
	B	07/27/2016	7	88,180	Type 3	3,120	3,120	78.00%
	C	08/17/2016	28	113,735	Type 6	4,020	4,020	100.50%
	D	09/14/2016	56	143,640	Type 2	5,080	5,080	127.00%



Remarks/Comments:
 6 x 12 in. Cylinders

Orig: Hidalgo County Drainage District No. 1
 (Edinburg, TX) Attn: Raul Sesin, P.E.
 (1-cc copy)
 1-cc TEDSI Engineering Attn: Jose A. Sanchez
 1-cc Texas Cordia Construction, LLC
 1-cc Laboratory

Respectfully Submitted,
 L&G Engineering

Ricardo A. Gil, Lab Manager

CONCRETE COMPRESSION TEST REPORT

Project Description: J-09 Drain Improvements Ph. II
 Care Rd. to N. Main Drain)
 Client: Hidalgo County Drainage District No. 1
 Engineer: TEDSI Engineering
 Contractor: Texas Cordia Construction, LLC

(Rio Grande L&G Project Number: E871601
 L&G Report Number: R009-28
 Sample Date: 08/01/2016
 Date Reported: 08/29/2016

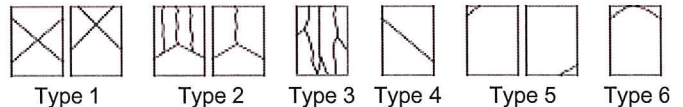
Client PO: 629471

Page 1 of 1

Placement Location: West Side Rip Rap Sta. 67+00
 Mix ID: 213661030 Supplier: Alamo Concrete
 Specified Strength: 3,600 P.S.I. @ 28 days
 Specified Slump: N/A Slump: 4.25"
 Specified Air Content: N/A Air Content: 3.5%
 Weather Conditions: Humid Air Temp.: 84°f
 Time Batched: 6:27 am Time Sampled: 7:30 am Concrete Temp.: 85°f
 Plant Ticket No: 56641 Truck No: 7163 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
4	A	08/08/2016	7	107,510	Type 3	3,800	3,940	105.56%
	B	08/08/2016	7	115,115	Type 3	4,070		113.06%
	C	08/29/2016	28	137,870	Type 3	4,880	135.56%	
	D	08/29/2016	28	147,250	Type 2	5,210	5,040	144.72%


Remarks/Comments:

6 x 12 in. Cylinders

Orig: Hidalgo County Drainage District No. 1
 (Edinburg, TX) Attn: Raul Sesin, P.E.
 (1-cc copy)
 1-cc TEDSI Engineering Attn: Jose A. Sanchez
 1-cc Texas Cordia Construction, LLC
 1-cc Laboratory

Respectfully Submitted,
 L&G Engineering



Ricardo A. Gil, Lab Manager

CONCRETE COMPRESSION TEST REPORT

Project Description: J-09 Drain Improvements Ph. II
 Care Rd. to N. Main Drain)
 Client: Hidalgo County Drainage District No. 1
 Engineer: TEDSI Engineering
 Contractor: Texas Cordia Construction, LLC

(Rio Grande L&G Project Number: E871601
 L&G Report Number: R010-28
 Sample Date: 08/03/2016
 Date Reported: 08/31/2016

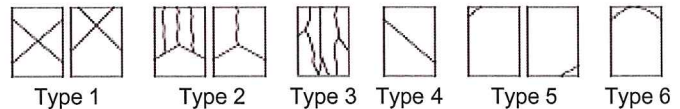
Client PO: 629471

Page 1 of 1

Placement Location: Rip Rap Sta. 372+50
 Mix ID: 213047000 Supplier: Alamo Concrete
 Specified Strength: 3,000 P.S.I. @ 28 days
 Specified Slump: N/A Slump: 3.0"
 Specified Air Content: N/A Air Content: 2.3%
 Weather Conditions: Warm & Humid Air Temp.: 77°f
 Time Batched: 5:01 am Time Sampled: 6:07 am Concrete Temp.: 88°f
 Plant Ticket No: 8856738 Truck No: 7156 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
5	A	08/10/2016	7	82,595	Type 3	2,920		97.33%
	B	08/10/2016	7	90,160	Type 3	3,190	3,050	106.33%
	C	08/31/2016	28	124,015	Type 1	4,390		146.33%
	D	08/31/2016	28	117,300	Type 2	4,150	4,270	138.33%



Remarks/Comments:
 6 x 12 in. Cylinders

Orig: Hidalgo County Drainage District No. 1
 (Edinburg, TX) Attn: Raul Sesin, P.E.
 (1-cc copy)
 1-cc TEDSI Engineering Attn: Jose A. Sanchez
 1-cc Texas Cordia Construction, LLC
 1-cc Laboratory

Respectfully Submitted,
 L&G Engineering

Ricardo A. Gil, Lab Manager

CONCRETE COMPRESSION TEST REPORT

Project Description: J-09 Drain Improvements Ph. II
 Care Rd. to N. Main Drain)
 Client: Hidalgo County Drainage District No. 1
 Engineer: TEDSI Engineering
 Contractor: Texas Cordia Construction, LLC

(Rio Grande L&G Project Number: E871601
 L&G Report Number: R012-28
 Sample Date: 08/19/2016
 Date Reported: 08/26/2016

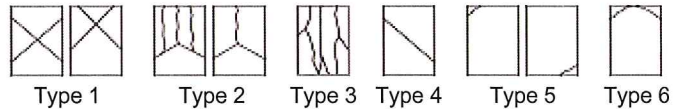
Client PO: 629471

Page 1 of 1

Placement Location: _____ Headwalls Sta. 389+00
 Mix ID: 213661030 Supplier: Alamo Concrete
 Specified Strength: 3,600 P.S.I. @ 28 days
 Specified Slump: N/A Slump: 5.5"
 Specified Air Content: N/A Air Content: 2.6%
 Weather Conditions: Warm & Humid Air Temp.: 79°F
 Time Batched: 6:01 am Time Sampled: 7:05 am Concrete Temp.: 88°F
 Plant Ticket No: 57026 Truck No: 7164 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
6	A	08/26/2016	7	132,540	Type 3	4,690		130.28%
	B	08/26/2016	7	116,665	Type 3	4,130	4,410	114.72%
	C	09/16/2016	28	145,900	Type 4	5,160		143.33%
	D	09/16/2016	28	143,350	Type 5	5,070	5,120	140.83%


Remarks/Comments:

6 x 12 in. Cylinders

Orig: Hidalgo County Drainage District No. 1
 (Edinburg, TX) Attn: Raul Sesin, P.E.
 (1-cc copy)
 1-cc TEDSI Engineering Attn: Jose A. Sanchez
 1-cc Texas Cordia Construction, LLC
 1-cc Laboratory

Respectfully Submitted,
 L&G Engineering



Ricardo A. Gil, Lab Manager

PROCTOR TEST REPORT

Project Description: J-09 Drain Improvements Ph. II
 Care Rd. to N. Main Drain)
 Client: Hidalgo County Drainage District No. 1
 Engineer: TEDSI Engineering
 Contractor: Texas Cordia Construction, LLC

(Rio Grande L&G Project Number: E871601
 L&G Report Number: R013
 Sample Date: 08/30/2016
 Date Reported: 08/30/2016

Client PO: 629471

Page 1 of 1

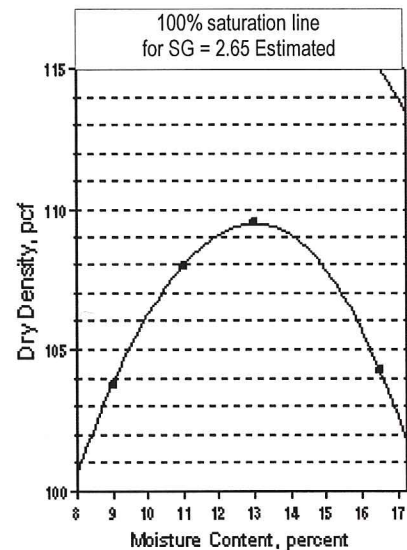
Compaction Method: TEX 113
 Material Description: Limed Base Material

Specific Gravity: 2.65

Liquid Limit: 27
Plastic Limit: 15
Plasticity Index: 12

Specimen No.:	1	2	3	4
Moisture, %:	9.0	11.1	13.0	16.4
Dry Density (pcf):	103.8	108.0	109.5	104.6

Maximum Dry Density in P.C.F.: 109.5
 Optimum Moisture (%): 13.1



Remarks: Sampled from Stockpile (Hoehn Rd)
Test Method: TEX 113-E, TEX 104-E, TEX 105-E, TEX 106-E

Orig: Hidalgo County Drainage District No. 1
 (Edinburg, TX) Attn: Raul Sesin, P.E.
 (1-cc copy)
 1-cc TEDSI Engineering Attn: Jose A. Sanchez
 1-cc Texas Cordia Construction, LLC
 1-cc Laboratory

Respectfully Submitted,
 L&G Engineering



 Ricardo A. Gil, Lab Manager

FIELD DENSITIES TEST REPORT

 Project Description: J-09 Drain Improvements Ph. II
 Care Rd. to N. Main Drain)

(Rio Grande L&G Project Number: E871601

Client: Hidalgo County Drainage District No. 1

L&G Report Number: R014

Engineer: TEDSI Engineering

Sample Date: 09/02/2016

Contractor: Texas Cordia Construction, LLC

Date Reported: 09/02/2016

Client PO: 629471

Page 1 of 1

Material Description	Limed Base Material		
Required % Proctor	98	Moisture Tolerance	-2+3
	Proctor No	Optimum % Moisture	Opt. Density, LB/CF
	LBM MD1	13.1	109.5

Test No.	Test Location	Proctor No	Moisture Content	Dry Density	Percent Compaction	Depth (inch)
1	Sta. 377+00 & 8ft E. of CL / Final Lift	LBM MD1	16.2%	112.0 pcf	102.3% (Pass)	10"
2	Sta. 377+00 & 8ft W. of CL / Final Lift	LBM MD1	13.0%	116.0 pcf	105.9% (Pass)	10"

Remarks: Test results are in general compliance with the project specifications except as noted.

Test Methods: ASTM D2922, D3017

 Orig: Hidalgo County Drainage District No. 1
 (Edinburg, TX) Attn: Raul Sesin, P.E.
 (1-cc copy)
 1-cc TEDSI Engineering Attn: Jose A. Sanchez
 1-cc Texas Cordia Construction, LLC
 1-cc Laboratory

 Respectfully Submitted,
 L&G Engineering



Ricardo A. Gil, Lab Manager

**REPORT OF SITE VISIT
TEST REPORT**

Project Description: J-09 Drain Improvements Ph. II
Care Rd. to N. Main Drain)
Client: Hidalgo County Drainage District No. 1
Engineer: TEDSI Engineering
Contractor: Texas Cordia Construction, LLC

(Rio Grande L&G Project Number: E871601
L&G Report Number: R015
Sample Date: 09/08/2016
Date Reported: 09/08/2016

Client PO: 629471

Page 1 of 1

On September 8, 2016, a representative of L&G Engineering Laboratory was dispatched to J-09 Drain Ph. II to perform inspection on the placement of ready-mixed concrete on Rip Rap Sta. 358+00.

Specimen Number 7 was obtained and tested at 5:45 AM, and the following were determined:

Concrete Temp: <u>88°f</u>	<u>N/A</u> Specification	Entrapped/Entrained Air Content: <u>3.1%</u>	<u>N/A</u> Specification
Ambient Temp: <u>77°f</u>	<u>N/A</u> Specification	Slump: <u>6 inches</u>	<u>N/A</u> Specification

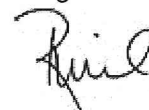
From Specimen Number 7, a total of 4-6x12 cylindrical test specimens were cast for Compressive Strength Testing at intervals of 7 and 28 days.

On September 9, 2016, 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 Rip Rap, Sta. 358+00. 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

Orig: Hidalgo County Drainage District No. 1
(Edinburg, TX) Attn: Raul Sesin, P.E.
(1-cc copy)
1-cc TEDSI Engineering Attn: Jose A. Sanchez
1-cc Texas Cordia Construction, LLC
1-cc Laboratory

Respectfully Submitted,
L&G Engineering



Ricardo A. Gil, Lab Manager

**REPORT OF SITE VISIT
TEST REPORT**

Project Description: J-09 Drain Improvements Ph. II
Care Rd. to N. Main Drain)
Client: Hidalgo County Drainage District No. 1
Engineer: TEDSI Engineering
Contractor: Texas Cordia Construction, LLC

(Rio Grande L&G Project Number: E871601
L&G Report Number: R016
Sample Date: 09/09/2016
Date Reported: 09/09/2016

Client PO: 629471

Page 1 of 1

On Sept. 9, 2016, a representative of L&G Engineering Laboratory was dispatched to J09-Ph. II Drain to perform inspection on the placement of ready-mixed concrete on Rip Rap.

Specimen Number 8 was obtained and tested at 5:30 AM, and the following were determined:

Concrete Temp: 93°f	N/A	Entrapped/Entrained Air Content: 1.3%	N/A
	Specification		Specification
Ambient Temp: 85°f	N/A	Slump: 2 1/2 inches	N/A
	Specification		Specification

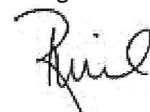
From Specimen Number 8, a total of 4-6x12 cylindrical test specimens were cast for Compressive Strength Testing at intervals of 7 and 28 days.

On Sept. 10, 2016, 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 Rip Rap. 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

Orig: Hidalgo County Drainage District No. 1
(Edinburg, TX) Attn: Raul Sesin, P.E.
(1-cc copy)
1-cc TEDSI Engineering Attn: Jose A. Sanchez
1-cc Texas Cordia Construction, LLC
1-cc Laboratory

Respectfully Submitted,
L&G Engineering



Ricardo A. Gil, Lab Manager

**REPORT OF SITE VISIT
TEST REPORT**

Project Description: J-09 Drain Improvements Ph. II
Care Rd. to N. Main Drain)
Client: Hidalgo County Drainage District No. 1
Engineer: TEDSI Engineering
Contractor: Texas Cordia Construction, LLC

(Rio Grande L&G Project Number: E871601
L&G Report Number: R017
Sample Date: 09/10/2016
Date Reported: 09/10/2016

Client PO: 629471

Page 1 of 1

On September 10, 2016, a representative of L&G Engineering Laboratory was dispatched to J-09 Ph. II Drain to perform inspection on the placement of ready-mixed concrete on Rip Rap.

Specimen Number 9 was obtained and tested at 5:15 AM, and the following were determined:

Concrete Temp: <u>100°f</u>	<u>N/A</u> Specification	Entrapped/Entrained Air Content: <u>1.5%</u>	<u>N/A</u> Specification
Ambient Temp: <u>88°f</u>	<u>N/A</u> Specification	Slump: <u>6 inches</u>	<u>N/A</u> Specification

From Specimen Number 9, a total of 4-6x12 cylindrical test specimens were cast for Compressive Strength Testing at intervals of 7 and 28 days.

On September 12, 2016, 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 Rip Rap. 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

Orig: Hidalgo County Drainage District No. 1
(Edinburg, TX) Attn: Raul Sesin, P.E.
(1-cc copy)
1-cc TEDSI Engineering Attn: Jose A. Sanchez
1-cc Texas Cordia Construction, LLC
1-cc Laboratory

Respectfully Submitted,
L&G Engineering



Ricardo A. Gil, Lab Manager

CONCRETE COMPRESSION TEST REPORT

Project Description: J-09 Drain Improvements Ph. II
 Care Rd. to N. Main Drain)
 Client: Hidalgo County Drainage District No. 1
 Engineer: TEDSI Engineering
 Contractor: Texas Cordia Construction, LLC

(Rio Grande L&G Project Number: E871601
 L&G Report Number: R018
 Sample Date: 09/08/2016
 Date Reported: 09/15/2016

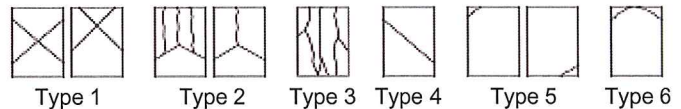
Client PO: 629471

Page 1 of 1

Placement Location: Rip Rap Sta. 358+00
 Mix ID: 213661030 Supplier: Alamo Concrete
 Specified Strength: 3,600 P.S.I. @ 28 days
 Specified Slump: N/A Slump: 6.0"
 Specified Air Content: N/A Air Content: 3.1%
 Weather Conditions: Warm & Humid Air Temp.: 77°F
 Time Batched: 4:31 am Time Sampled: 4:50 am Concrete Temp.: 88°F
 Plant Ticket No: 8857472 Truck No: 7246 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
7	A	09/15/2016	7	116,435	Type 2	4,120		114.44%
	B	09/15/2016	7	113,645	Type 3	4,020	4,070	111.67%



Remarks/Comments:

6 x 12 in. Cylinders

Orig: Hidalgo County Drainage District No. 1
 (Edinburg, TX) Attn: Raul Sesin, P.E.
 (1-cc copy)
 1-cc TEDSI Engineering Attn: Jose A. Sanchez
 1-cc Texas Cordia Construction, LLC
 1-cc Laboratory

Respectfully Submitted,
 L&G Engineering

 Ricardo A. Gil, Lab Manager

**CONCRETE COMPRESSION
TEST REPORT**

Project Description: J-09 Drain Improvements Ph. II
 Care Rd. to N. Main Drain)
 Client: Hidalgo County Drainage District No. 1
 Engineer: TEDSI Engineering
 Contractor: Texas Cordia Construction, LLC

(Rio Grande L&G Project Number: E871601
 L&G Report Number: R019
 Sample Date: 09/09/2016
 Date Reported: 09/16/2016

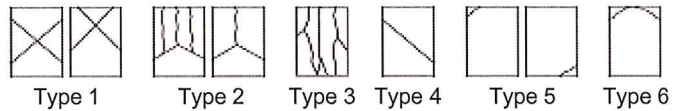
Client PO: 629471

Page 1 of 1

Placement Location: Rip Rap on S. Side of Drain Ditch West of McColl.
 Mix ID: 3600psi Supplier: Alamo Concrete
 Specified Strength: 3,600 P.S.I. @ 28 days
 Specified Slump: N/A Slump: 2.5"
 Specified Air Content: N/A Air Content: 1.3%
 Weather Conditions: Humid, Calm, & Hot Air Temp.: 85°F
 Time Batched: 4:06 am Time Sampled: 5:30 am Concrete Temp.: 93°F
 Plant Ticket No: 455618 Truck No: 7245 CY: 10
 Water: 5 gal.

Compressive Strength Data

Set No.	Identification	Test Date	Age (days)	Maximum Load (pounds)	Break Type	Comp. Strength (psi)	Average Strength (psi)	% of Design
8	A	09/16/2016	7	117,405	Type 2	4,150	4,140	115.28%
	B	09/16/2016	7	116,595	Type 3	4,120		114.44%



Remarks/Comments:

6 x 12 in. Cylinders

Orig: Hidalgo County Drainage District No. 1
 (Edinburg, TX) Attn: Raul Sesin, P.E.
 (1-cc copy)
 1-cc TEDSI Engineering Attn: Jose A. Sanchez
 1-cc Texas Cordia Construction, LLC
 1-cc Laboratory

Respectfully Submitted,
 L&G Engineering



Ricardo A. Gil, Lab Manager

**CONCRETE COMPRESSION
TEST REPORT**

Project Description: J-09 Drain Improvements Ph. II
 Care Rd. to N. Main Drain)
 Client: Hidalgo County Drainage District No. 1
 Engineer: TEDSI Engineering
 Contractor: Texas Cordia Construction, LLC

(Rio Grande L&G Project Number: E871601
 L&G Report Number: R020
 Sample Date: 09/10/2016
 Date Reported: 09/17/2016

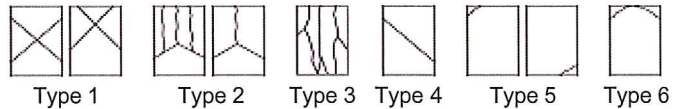
Client PO: 629471

Page 1 of 1

Placement Location: Rip Rap on East Side of McColl
 Mix ID: 3600 PSI IRR. Supplier: Alamo Concrete
 Specified Strength: 3,600 P.S.I. @ 28 days
 Specified Slump: N/A Slump: 6.0"
 Specified Air Content: N/A Air Content: 1.5%
 Weather Conditions: N/A Air Temp.: 88°f
 Time Batched: _____ Time Sampled: _____ Concrete Temp.: 100°f
 Plant Ticket No: N/A Truck No: N/A 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
9	A	09/17/2016	7	120,030	Type 3	4,250		118.06%
	B	09/17/2016	7	126,330	Type 6	4,470	4,360	124.17%



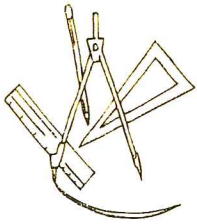
Remarks/Comments:

6 x 12 in. Cylinders

Orig: Hidalgo County Drainage District No. 1
 (Edinburg, TX) Attn: Raul Sesin, P.E.
 (1-cc copy)
 1-cc TEDSI Engineering Attn: Jose A. Sanchez
 1-cc Texas Cordia Construction, LLC
 1-cc Laboratory

Respectfully Submitted,
 L&G Engineering

Ricardo A. Gil, Lab Manager



L&G Consulting Engineers, Inc.

September 26, 2016

RECEIVED
HIDALGO COUNTY
DRAINAGE DISTRICT #1

OCT 03 2016

2:58 AM (PM)

BY: MTF

Mr. Raul Sesin
Attn: Mr. Jaime Salazar
Hidalgo County Drainage District No. 1
902 N. Doolittle Rd.
Edinburg, Texas 78541

**RE: J-09 Drain Improvements Ph. II (Rio Grande Care Rd. to N. Main Drain)
Construction Materials Testing On-Call Contract - Work Authorization #4
Project No. # E871601**

Dear Mr. Salazar:

Attached for your review and approval is our invoice for the services rendered under Work Authorization #4 on the subject referenced project for the month of September.

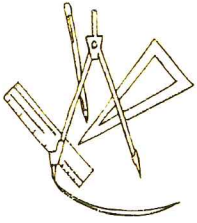
The following is attached:

- L&G's Invoice #16-9-000019
- Test Reports and progress letters as prepared and forwarded to HCDD No. 1 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



L&G Consulting Engineers, Inc.

RECEIVED
HIDALGO COUNTY
DRAINAGE DISTRICT #1

September 26, 2016

OCT 03 2016

2:58 AM/PM

BY: MTF

Mr. Raul Sesin, P.E.
Attn: Mr. Jaime Salazar
Hidalgo County Drainage District No. 1
902 N. Doolittle Road
Edinburg, Texas 78541

RE: J-09 Drain Improvements Ph. II (Rio Grande Care Rd. to N. Main Drain)

Dear Mr. Salazar:

Included for your use with this letter is test report **R012 – R020** for **Construction Materials Testing Services** performed on the above referenced project. Unless otherwise noted, all test results meet or exceed requirements.

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, please feel free to contact me at 956-565-0760.

Sincerely,

Ricardo A. Gil
General Manager

Attachments

Cc: Hidalgo County Pct. #4, Ms. Maria Lucio
Texas Cordia Construction, LLC
TEDSI Engineering, Attn: Jose A. Sanchez



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: 10/3/2016

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

Project Name/Number: Hoehn Rd. Area Drainage & Rd. Improv. WA No. 2

Invoice No.: 16-9-000018

Invoice Date: 9/26/2016

Due Date: 11/2/2016

Purchase Order No.: 628202

Amount: \$986.61

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: _____



INVOICE

Invoice Date: 09/26/2016

Invoice No: 16-9-000018

Page 1 of 2

RECEIVED
HIDALGO COUNTY
DRAINAGE DISTRICT #1

OCT 03 2016

2:58 AM/PM

BY: *[Signature]*

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

Client Address: Hidalgo County Drainage District No. 1
Accounts Payable
902 N. Doolittle Rd.

Edinburg, TX. 78541

Account No.: E87

Project No: E871503

Project Desc.: Hoehn Road Area Drainage & Road Imprvts.
WA #2

Due Date: UPON RECEIPT

Budget/Remaining: \$35,882.61 / \$24,365.61

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

	<u>Unit Rate</u>	<u>Qty</u>	<u>Extension</u>
930:93039 - Extraction, Grad., Asph. Content	\$232.48	1.00	\$232.48
930:93042 - Asphalt Maximum Theoretical S.P.G.	\$90.00	1.00	\$90.00
930:93047 - Asphalt Rolling Patterns	\$39.86	4.00	\$159.44
940:94045 - Eng. Tech. (Asphalt / Lab)	\$51.34	1.00	\$51.34
940:94052 - Eng. Tech. (Asphalt)	\$51.34	3.75	\$192.53
940:94054 - Engineering Lab Mgr.	\$102.68	0.50	\$51.34
940:94055 - Project Engineer	\$129.86	0.50	\$64.94
950:95058 - Vehicle Trip Charge	\$0.56	66.00	\$36.96
950:95060 - Administrative / Clerical	\$60.40	1.00	\$60.40
950:95061 - Test Report	\$23.59	2.00	\$47.18
Total for this Invoice:			\$986.61

===== 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>
R030	09/08/2016	4.00	930:93047 - Asphalt Rolling Patterns	Each	\$39.86	\$159.44
R030	09/08/2016	3.75	940:94052 - Eng. Tech. (Asphalt)	Hour	\$51.34	\$192.53
R030	09/08/2016	0.25	940:94054 - Engineering Lab Mgr.	Hour	\$102.68	\$25.67
R030	09/08/2016	0.25	940:94055 - Project Engineer	Hour	\$129.86	\$32.47
R030	09/08/2016	66.00	950:95058 - Vehicle Trip Charge	Mile	\$0.56	\$36.96
R030	09/08/2016	0.50	950:95060 - Administrative / Clerical	Hour	\$60.40	\$30.20
R030	09/08/2016	1.00	950:95061 - Test Report	Each	\$23.59	\$23.59

Report Number R030 for a Subtotal of: \$500.86

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>
R031	09/08/2016	1.00	930:93039 - Extraction, Grad., Asph. Content	Each	\$232.48	\$232.48
R031	09/08/2016	1.00	930:93042 - Asphalt Maximum Theoretical S.P.G.	Each	\$90.00	\$90.00
R031	09/08/2016	1.00	940:94045 - Eng. Tech. (Asphalt / Lab)	Each	\$51.34	\$51.34
R031	09/08/2016	0.25	940:94054 - Engineering Lab Mgr.	Hour	\$102.68	\$25.67
R031	09/08/2016	0.25	940:94055 - Project Engineer	Hour	\$129.86	\$32.47
R031	09/08/2016	0.50	950:95060 - Administrative / Clerical	Hour	\$60.40	\$30.20
R031	09/08/2016	1.00	950:95061 - Test Report	Each	\$23.59	\$23.59
Report Number R031 for a Subtotal of:						\$485.75
Total for this Invoice:						\$986.61

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

SUMMARY OF ASPHALT ROLLING PATTERN TEST REPORT

Project Description: Hoehn Road Area Drainage & Road Imprvts. WA #2
Client: Hidalgo County Drainage District No. 1
Contractor: Texas Cordia Construction, LLC

L&G Project Number: E871503
L&G Report Number: R030
Sample Date: 09/08/2016
Date Reported: 09/08/2016

Page 1 of 1

Material Description: Hot Mix Asphalt Paving
Material Source: Frontera Progresso
Specification: TxDOT Item 340

Rolling Pattern Location	Density (%)	Air Voids (%)
Hoehn Rd. Sta. 12+50	93.2	6.8
Hoehn Rd. Sta. 11+25	94.3	5.7
Hoehn Rd. Sta. 9+00	93.2	6.8
Hoehn Rd. Sta. 6+00	93.0	7.0
Hoehn Rd. Sta. 14+00	95.3 *	4.7
Hoehn Rd. Sta. 15+00	94.7	5.3
Hoehn Rd. Sta. 17+00	93.4	6.6

Procedure: A Rolling Pattern was established using an Instrotek Model Number 3500 Nuclear Density Gauge. Further compaction of the asphalt surface was achieved by the use of a Pneumatic roller after the initial rolling operation. Target Maximum Density used was 152.8 Lbs./Cf. TxDot Item 340 specifies a target in place density of 91 to 95 percent.

Remarks: Note: * Out of Tolerance

Test Method (As Applicable): Tex Method 207F Part III, Tex Method 222F

Orig: Hidalgo County Drainage District No. 1
(Edinburg, TX) Attn: Raul Sesin, P.E.
(1-cc copy)
1-cc Texas Cordia Construction, LLC
Attn: Isabel Martinez
1-cc Laboratory

Respectfully Submitted,
L&G Engineering



Ricardo A. Gil, Lab Manager

BITUMINOUS MIXTURE PROPERTIES TEST REPORT

Project Description: Hoehn Road Area Drainage & Road Imprvts. WA #2
 Client: Hidalgo County Drainage District No. 1
 Contractor: Texas Cordia Construction, LLC

L&G Project Number: E871503
 L&G Report Number: R031
 Sample Date: 09/08/2016
 Date Reported: 09/08/2016

Page 1 of 1

Material Description: Hot Mix Asphalt Paving
Material Source: Frontera Progreso
Specification: TxDOT Item 340 (Ty D)

Sieve Size	Result (% Passing)	Ty D Fine Surface Requirement
1/2"	99.0	98-100
3/8"	94.0	85-100
No. 4	68.0	50-70
No. 8	39.0	35-46
No. 30	23.0	15-29
No. 50	19.0	7-20
No. 200	5.0	2-7

Tex-236-F Asphalt Content (Ignition Method)

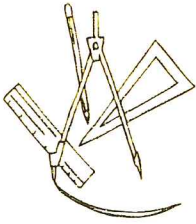
Asphalt Content = 5.02% (design value) Tex-227-F Theoretical Maximum Specific Gravity of Bituminous Mixtures
(Rice Gravity) Gr = 2.448 (design value) Tex-207-F Density of Compacted Bituminous Mixtures
(Bulk Specific Gravity) Ga = 2.410 (design value) Density (%) = 98.4 (96% + or - 1.5%)

Orig: Hidalgo County Drainage District No. 1
 (Edinburg, TX) Attn: Raul Sesin, P.E.
 (1-cc copy)
 1-cc Texas Cordia Construction, LLC
 Attn: Isabel Martinez
 1-cc Laboratory

Respectfully Submitted,
 L&G Engineering



 Ricardo A. Gil, Lab Manager



L&G Consulting Engineers, Inc.

RECEIVED
HIDALGO COUNTY
DRAINAGE DISTRICT #1

September 26, 2016

OCT 03 2016

2:58 AM/PM

BY: MAP

Mr. Raul Sesin
Attn: Mr. Jaime Salazar
Hidalgo County Drainage District No. 1
902 N. Doolittle Rd.
Edinburg, Texas 78541

**RE: Hoehn Road Area Drainage & Road Improvements
Construction Materials Testing "On-Call" Contract - Work Authorization #2
Project No. # E871503**

Dear Mr. Salazar:

Attached for your review and approval is our invoice for the services rendered under Work Authorization #2 on the subject referenced project for the month of September.

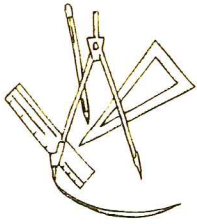
The following is attached:

- L&G's Invoice #16-9-000018
- Test Reports and progress letters as prepared and forwarded to HCDD No. 1 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



L&G Consulting Engineers, Inc.

September 26, 2016

RECEIVED
HIDALGO COUNTY
DRAINAGE DISTRICT #1

OCT 03 2016

2:58 AM (PM)

BY: MAP

Mr. Raul Sesin, P.E.
Attn: Mr. Jaime Salazar
Hidalgo County Drainage District No. 1
902 N. Doolittle Road
Edinburg, Texas 78541

RE: Hoehn Road Area Drainage & Road Improvements

Dear Mr. Salazar:

Included for your use with this letter are test reports **R030 & R031** for **Construction Materials Testing** performed on the above referenced project. Unless otherwise noted, all test results meet or exceed requirements.

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, please feel free to contact me at 956-565-0760.

Sincerely,

Ricardo A. Gil
General Manager

Attachments

Cc: Hidalgo County Pct. #4, Ms. Maria Lucio
Texas Cordia Construction, LLC



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: 10/4/2016

Engineer/Firm Name: Urban Infrastructure Group, Inc.

Project Name/Number: Pct. 1 Mille 13.5 and 1015 Area DIP, WA No. 5

Invoice No.: Invoice No. 1016112808

Invoice Date: 10/4/2016

Due Date: 11/3/2016

Purchase Order No.: 630388

Amount: \$4,800.00

Total # of Pages Submitted: 4

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: _____



**URBAN
INFRASTRUCTURE
GROUP, INC.**

October 4, 2016

Jaime Salazar, Operations Manager
Hidalgo County Drainage District No.1
902 N. Doolittle
Edinburg, Texas 78542

RECEIVED
HIDALGO COUNTY
DRAINAGE DISTRICT #1

OCT 04 2016

12:20 AM (PM)

BY: MAP

RE: Invoice No. 1016112808

Project Name:	Pct. 1 – Mile 13 ½ and 1015 area Drainage Improvement Project
	WA5 – PO 630388
Project Number:	112808

Invoice Period:	August – September 2016
-----------------	-------------------------

This invoice is for Special Services to perform engineering and surveying services to assist HCDD1 in acquiring new easements for the project referenced above. If you have any questions please don't hesitate to call me.

Professional Services	Complete This Month	Contract Amount	Amount This Month	Total
WA#5 PO 630388 (100% Complete)	100%	\$4,800.00	\$4,800.00	\$4,800.00

Reimbursable Expenses	Each	Rate	Amount
Copies 8.5 x 11		\$.10	\$0.00
Copies Color		\$0.35	\$0.00
Bond 24x36"		\$4.00	\$0.00

TOTAL AMOUNT DUE:	\$4,800.00
--------------------------	-------------------

I certify that the above information is true and correct.

Craig A Gonzalez, P.E.
Principal

*We appreciate the opportunity to serve you on this project.
God Bless.*

“EXHIBIT A”

DRAINAGE EASEMENT

BEING a twenty (20.00) foot wide drainage easement containing 0.606 of an acre and being the east 20.00 feet of Farm Tract 1119 of the West and Adams Tract Subdivision as depicted and recorded in Volume 2, Pages 34 thru 37, of the Plat Records of Hidalgo County, Texas, and being more particularly described as follow:

BEGINNING at a cotton spindle found in the center of Mile 13 ½ North (40.0 foot right-of-way width) for the common north corner of Farm Tract 1122 and Farm Tract 1119, having Texas State Plane Coordinates of N: 16,616,738.24' and E:1,163,172.87';

THENCE, South 00°59'31" East, along the common boundary line of the aforementioned Farm Tract 1122 and Farm Tract 1119, at a distance of 20.00 feet, pass a 1/2 inch iron rod set with a surveyors cap stamped "CDS/MUERY S.A. TX" (hereinafter referred to as "with cap") on the south right-of-way line of the aforementioned Mile 13 ½ North, at a distance of 1,290.00 feet pass, a 1/2 inch iron rod set with cap for reference on the north side of an existing drainage ditch, a total distance of 1,320.00 feet, to a point in said drainage ditch at the common south corner of said Farm Tract 1122 and Farm Tract 1119 and on the north boundary line of Farm Tract 1121 for the southeast corner of the herein described drainage easement;

THENCE, South 89°00'29" West, along the south boundary line of Farm Tract 1119, the north boundary line of Farm Tract 1121 and along the aforementioned drainage ditch, a distance of 20.00 feet, to a point for the southwest corner of the herein described drainage easement;

THENCE, North 00°59'31" West, along a line parallel to and 20.00 feet west of the common boundary line of Farm Tract 1122 and Farm Tract 1119, at a distance of 40.00 feet, pass a 1/2 inch iron rod set with cap set for reference, on the north side of an existing drainage ditch, at a distance of 1,300.00 feet, pass a 1/2 inch iron rod set with cap on the south right-of-way line of the aforementioned Mile 13 ½ North, a total distance of 1,320.00 feet, to a point in the center of said Mile 13 ½ North, on the common boundary line of Farm Tract 1119 and Farm Tract 1123, for the northwest corner of the herein described drainage easement;

THENCE, North 89°00'29" East, along common boundary line of said Farm Tract 1119 and Farm Tract 1123 and the center of Mile 13 ½ North, a distance of 20.00 feet, to the **POINT OF BEGINNING** of the herein described drainage easement, said easement contains 0.606 of an acre, more or less, within these metes and bounds.

TEMPORARY CONSTRUCTION EASEMENT

BEING a thirty (30.00) foot wide temporary construction easement containing 0.909 of an acre out of Farm Tract 1119 of the West and Adams Tract Subdivision as depicted and recorded in Volume 2, Pages 34 thru 37, of the Plat Records of Hidalgo County, Texas, and being more particularly described as follow:

BEGINNING at a point in the center of Mile 13 ½ North (40.0 foot right-of-way width) on the north boundary line of Farm Tract 1119 and the south boundary line of Farm Tract 1123, for the northeast corner of the herein described temporary construction easement, from which a cotton spindle found in the center of Mile 13 ½ North for the common north corner of Farm Tract 1122 and Farm Tract 1119 bears North 89°00'29" East a distance of 20.00 feet, and having Texas State Plane Coordinates of N: 16,616,738.24' and E:1,163,172.87';

THENCE, South 00°59'31" East, along a line parallel to and 20.00 feet west of the common boundary line of the aforementioned Farm Tract 1122 and Farm Tract 1119, at a distance of 20.00 feet, pass a 1/2 inch iron rod set with a surveyors cap stamped "CDS/MUERY S.A. TX" (hereinafter referred to as "with cap") on the south right-of-way line of the aforementioned Mile 13 ½ North, at a distance of 1,280.00 feet pass a 1/2 inch iron rod set with cap for reference on the north side of an existing drainage ditch, a total distance of 1,320.00 feet, to a point in said drainage ditch on the south boundary line of said Farm Tract 1119 and the north boundary line of Farm Tract 1121, for the southeast corner of the herein described temporary construction easement;

THENCE, South 89°00'29" West, along the south boundary line of Farm Tract 1119 and the north boundary line of Farm Tract 1121 and along the aforementioned drainage ditch, a distance of 30.00 feet, to a point for the southwest corner of the herein described temporary construction easement;

THENCE, North 00°59'31" West, along a line parallel to and 50.00 feet west of the common boundary line of Farm Tract 1122 and Farm Tract 1119, at a distance of 1,300.00 feet, pass the south right-of-way line of the aforementioned Mile 13 ½ North, a total distance of 1,320.00 feet, to a point in the center of said Mile 13 ½ North on the common boundary line of Farm Tract 1119 and Farm Tract 1123, for the northwest corner of the herein described temporary construction easement;

THENCE, North 89°00'29" East, along common boundary line of said Farm Tract 1119 and Farm Tract 1123 and the center of Mile 13 ½ North, a distance of 30.00 feet, to the **POINT OF BEGINNING** of the herein described temporary construction easement, said easement contains 0.909 of an acre, more or less, within these metes and bounds.

Bearings are Grid North, based on the Texas State Plane Coordinate System, NAD 83(93), South Zone. Coordinates and distances shown are grid. A survey drawing (416006 Ditch 4E2A.dwg) of even date was prepared and is made a part of this field note description.

I, R. Michael Wood a Registered Professional Land Surveyor, do hereby certify that the above field notes were prepared using information obtained by an on the ground survey made under my direction and supervision in August of 2016

Date 3RD day of October 2016 A.D.

R. Michael Wood

R. Michael Wood
Registered Professional Land Surveyor
No. 5974 - State of Texas



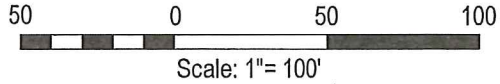
"EXHIBIT B"

NOTES:

1. BEARINGS SHOWN HEREON ARE GRID NORTH, BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM, TEXAS SOUTH ZONE, NAD(83). ALL DISTANCES AND COORDINATES ARE GRID.
2. A METES AND BOUNDS DESCRIPTION OF EVEN DATE WAS PREPARED (416006FND.DOCX) AND IS MADE OF PART OF THIS SURVEY PLAT.
3. THIS SURVEY PREPARED WITHOUT THE BENEFIT OF A TITLE COMMITMENT, THEREFORE ALL EASEMENTS AND RIGHTS-OF WAY MAY NOT BE SHOWN.
4. ORIGINAL SURVEYS ARE SIGNED AND SEALED IN RED INK. ALL OTHER COPIES ARE NULL AND VOID.

LEGEND

- 1/2" IRON ROD SET WITH CAP STAMPED "CDS/MUERY S.A. TX"
- COTTON SPINDLE FOUND



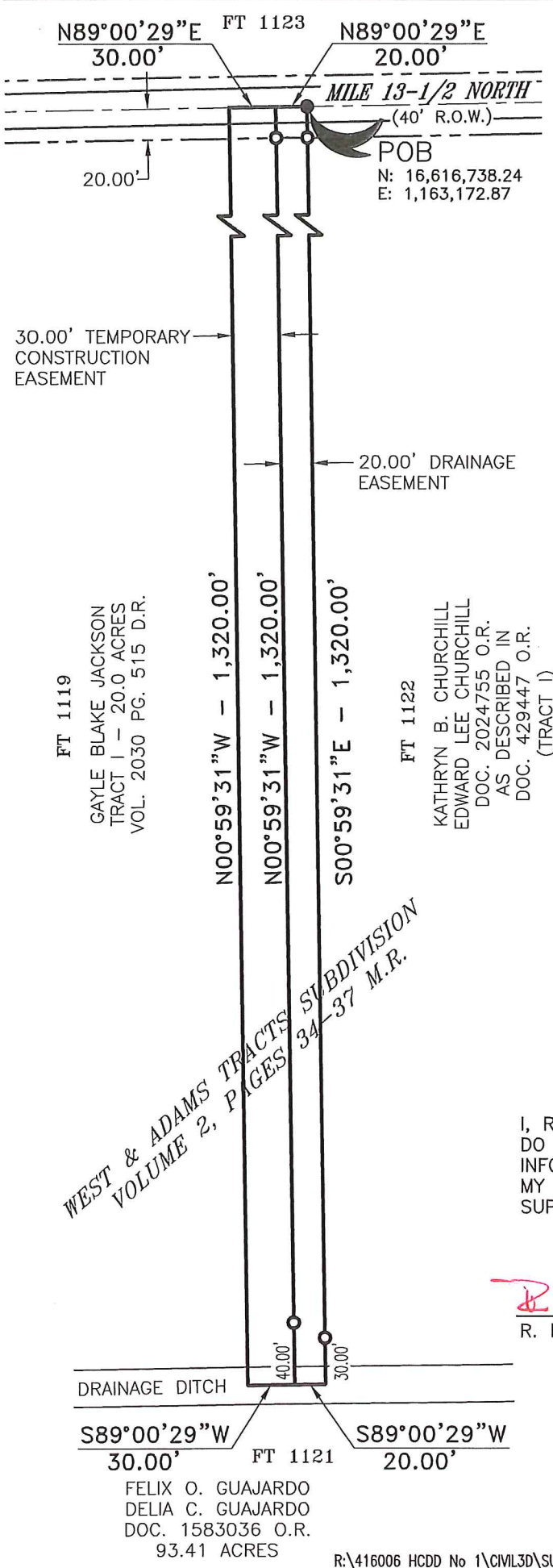
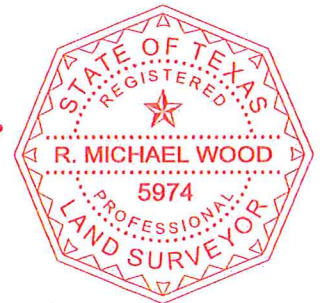
A TWENTY (20.00) FOOT WIDE DRAINAGE EASEMENT CONTAINING 0.606 OF AN ACRE AND BEING THE EAST 20.00 FEET OF FARM TRACT 1119, WEST AND ADAMS TRACT SUBDIVISION AS RECORDED IN VOLUME 2 PAGES 34 THROUGH 37, OF THE PLAT RECORDS OF HIDALGO COUNTY, TEXAS

AND
A THIRTY (30.00) FOOT WIDE TEMPORARY CONSTRUCTION EASEMENT CONTAINING 0.909 OF AN ACRE OUT OF FARM TRACT 1119, WEST AND ADAMS TRACT SUBDIVISION AS RECORDED IN VOLUME 2 PAGES 34 THROUGH 37, OF THE PLAT RECORDS OF HIDALGO COUNTY, TEXAS

I, R. MICHAEL WOOD, A REGISTERED PROFESSIONAL LAND SURVEYOR, DO HEREBY CERTIFY THAT THIS SURVEY WAS PREPARED USING INFORMATION OBTAINED BY AN ON THE GROUND SURVEY MADE UNDER MY DIRECTION AND SUPERVISION.

R. Michael Wood 10/3/16

R. MICHAEL WOOD, R.P.L.S. No. 5974



WEST & ADAMS TRACTS SUBDIVISION
VOLUME 2, PAGES 34-37 M.R.

FT 1119
GAYLE BLAKE JACKSON
TRACT I - 20.0 ACRES
VOL. 2030 PG. 515 D.R.

FT 1122
KATHRYN B. CHURCHILL
EDWARD LEE CHURCHILL
DOC. 2024755 O.R.
AS DESCRIBED IN
DOC. 429447 O.R.
(TRACT I)

FELIX O. GUAJARDO
DELIA C. GUAJARDO
DOC. 1583036 O.R.
93.41 ACRES



2290 W. PIKE BLVD., SUITE 102 WESLACO TEXAS 78596 • O: (956) 854-4930 F: (956) 375-2053
 TBPE NO. F-1733 • TBPLS NO. 10194080



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: 10/3/2016

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

Project Name/Number: Mission Inlet Recertification Project (Los Ebanos Bridge) WA No.6

Invoice No.: 11325926

Invoice Date: 9/30/2016

Due Date: 11/2/2016

Purchase Order No.: 629786

Amount: \$9,633.51

Total # of Pages Submitted: 5

Attachments: CD USB Plans Other: _____

Engineering:

Construction:

Received By: Maria Perez

Forwarded to:

Nora D. Cavazos _____ Date: _____

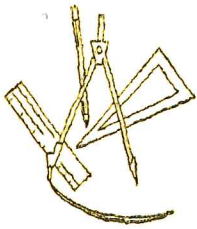
Esther Layton _____ Date: _____

Claudette Guerrero _____ Date: _____

Jose N. Saldivar _____ Date: _____

Lora Briones _____ Date: _____

Additional Comments: _____



L&G Engineering

Transportation Consultants

October 3, 2016

RECEIVED
HIDALGO COUNTY
DRAINAGE DISTRICT #1

OCT 03 2016

2:11 AM (PM)

By: MAT

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 September 2016 on the subject referenced project.

The following is attached:

- L&G's Invoice #11325926
- CD w/ Electronic Files of Data for:
 - FC 11003 & FC16309

TASK		% COMPL
Mission Inlet Recertification Project		
FC 11003 ~ PS&E Development	L&G	40.0%
Update – L&G continued developing the Plan Documents for the project including Title Sheet, Project Layout, Typical Sections, Culvert Layout, Removal Layout, Plan & Profile and SW3P Layout. Additionally, all pertinent standard sheets have been compiled and included in the plan set.		
FC 60001 ~ ROW Acquisition Services	L&G	0.0%
No Update – Task Not Started		
FC 33010 ~ SUB – Geotechnical Engineering	L&G Lab	0.0%
No Update – Task Not Started		
FC 16306 ~ Scour/Erosion Report	L&G	0.0%
No Update – Task Not Started		
FC 16307 ~ Utility Coordination	L&G	0.0%
No Update – Task Not Started		

2

FC 16309 ~ Meetings & Coordination with HCDD#1 and TxDOT	L&G	40.0%
Update – L&G held various informal meetings/conference calls with TxDOT to discuss project details and plan of action.		

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

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

INVOICE#: 11325926
INVOICE DATE: 9/30/2016

RECEIVED
 HIDALGO COUNTY
 DRAINAGE DISTRICT #1

OCT 03 2016

2:11 AM/PM

BY: *[Signature]*

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 September 2016.						
FC 11003 - PS&E Development	88,581.89	26,574.57	8,858.19	35,432.76	40.0	53,149.13
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			0.00	0.0	7,513.68
FC 16306 - Scour/Erosion Report	10,429.36			0.00	0.0	10,429.36
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	2,363.46	775.32	3,138.78	40.0	4,714.44
	160,855.43	28,938.03	9,633.51	38,571.54	24.0	122,283.89

ORIGINAL CONTRACT SUM	\$	160,855.43
CHANGE BY CHANGE ORDER	\$	0.00
CONTRACT SUM TO DATE	\$	160,855.43
TOTAL COMPLETED TO DATE	\$	38,571.54
LESS PREVIOUS INVOICES	\$	28,938.03
CURRENT PAYMENT DUE	\$	9,633.51

[Signature]
 PROJECT MANAGER'S SIGNATURE

M

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

Project Workhour Report

Mission Inlet Recert. Project WA#6
 Reference: Inv# 11325926
 Date: 9/30/2016
 P.O.#629786

	Hrs		Rate	Total
Senior Project Manager	2.00	X	212.59	\$425.18
Senior Engineer	2.00	X	175.07	\$350.14
Design Engineer	0.00	X	112.55	\$0.00
Admin/Clerical	0.00	X	56.27	\$0.00

Grand Total of Hours

\$ 775.32

(Difference due to rounding hours)

\$ -

Invoice Summary

Man Hours	\$ 775.32
PS&E Development	\$ 8,858.19
ROW Acquisition Services	
Geotechnical Engineering	
<small>(See Attached Sub Invoice for Man Hour Breakdown)</small>	
(Difference due to rounding)	\$ -

Total Per Invoice Submitted

\$ 9,633.51



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

1 COPY

DATE:
October 3, 2016

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 #11325934 • Work Authorization #5 on Mission Inlet Recertification Project <ul style="list-style-type: none"> ○ P.O. #628488, Invoice #11325927 • Work Authorization #6 on Mission Inlet Recertification Project <ul style="list-style-type: none"> ○ P.O. #629786, Invoice #11325926

REMARKS:

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

Thank you,

RECEIVED
HIDALGO COUNTY
DRAINAGE DISTRICT #1
10-3
~~SEP 30 2016~~
2:11 AM / PM
BY: *[Signature]*

Received By: _____

Date: _____ Time: _____

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

**Invoice #
11325926**

HCDD#1

9/30/2016

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: 10/3/2016

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

Project Name/Number: Mission Inlet Recertification Project (Los Ebanos Bridge) WA No.6

Invoice No.: 11325926

Invoice Date: 9/30/2016

Due Date: 11/2/2016

Purchase Order No.: 629786

Amount: \$9,633.51

Total # of Pages Submitted: 5

Attachments: CD USB Plans Other: _____

Engineering:

Construction:

Received By: Maria Perez

Forwarded to:

Nora D. Cavazos _____ Date: _____

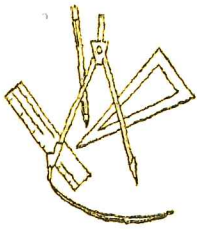
Esther Layton _____ Date: _____

Claudette Guerrero _____ Date: _____

Jose N. Saldivar _____ Date: _____

Lora Briones _____ Date: _____

Additional Comments: _____



L&G Engineering

Transportation Consultants

October 3, 2016

RECEIVED
HIDALGO COUNTY
DRAINAGE DISTRICT #1

OCT 03 2016

2:11 AM (PM)

By: MAT

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 September 2016 on the subject referenced project.

The following is attached:

- L&G's Invoice #11325926
- CD w/ Electronic Files of Data for:
 - FC 11003 & FC16309

TASK		% COMPL
Mission Inlet Recertification Project		
FC 11003 ~ PS&E Development	L&G	40.0%
Update – L&G continued developing the Plan Documents for the project including Title Sheet, Project Layout, Typical Sections, Culvert Layout, Removal Layout, Plan & Profile and SW3P Layout. Additionally, all pertinent standard sheets have been compiled and included in the plan set.		
FC 60001 ~ ROW Acquisition Services	L&G	0.0%
No Update – Task Not Started		
FC 33010 ~ SUB – Geotechnical Engineering	L&G Lab	0.0%
No Update – Task Not Started		
FC 16306 ~ Scour/Erosion Report	L&G	0.0%
No Update – Task Not Started		
FC 16307 ~ Utility Coordination	L&G	0.0%
No Update – Task Not Started		

2

FC 16309 ~ Meetings & Coordination with HCDD#1 and TxDOT	L&G	40.0%
Update – L&G held various informal meetings/conference calls with TxDOT to discuss project details and plan of action.		

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

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

INVOICE#: 11325926
INVOICE DATE: 9/30/2016

RECEIVED
 HIDALGO COUNTY
 DRAINAGE DISTRICT #1

OCT 03 2016

2:11 AM/PM

BY: *[Signature]*

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
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[Signature]
 PROJECT MANAGER'S SIGNATURE

M

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

Project Workhour Report

Mission Inlet Recert. Project WA#6

Reference: Inv# 11325926

Date: 9/30/2016

P.O.#629786

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Grand Total of Hours

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(Difference due to rounding hours)

\$ -

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ROW Acquisition Services	
Geotechnical Engineering	
<small>(See Attached Sub Invoice for Man Hour Breakdown)</small>	
(Difference due to rounding)	\$ -

Total Per Invoice Submitted

\$ 9,633.51



L&G Engineering
 Transportation Consulting Engineers

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 Phone: (956) 565-9813 Fax: (956) 565-9018
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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

1 COPY

DATE:
 October 3, 2016

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 |

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REMARKS:

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

Thank you,

RECEIVED
 HIDALGO COUNTY
 DRAINAGE DISTRICT #1
 10-3
 SEP 30 2016
 2:11 AM / PM
 BY: *[Signature]*

Received By: _____

Date: _____ Time: _____

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

**Invoice #
11325926**

HCDD#1

9/30/2016

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 -57022

6.

DRAINAGE - CONSENT

Meeting Date: 10/25/2016

Submitted For: Lora Briones

Submitted By: Lora Briones, DRAINAGE
DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

2013 Bond Project, fund through TWDB Grant:

Request approval of S & B Infrastructure Invoice No. U9444.103/812-16A for Hidalgo and Willacy Counties - Planning, Design and Preliminary Engineering, and PS&E in the amount of \$106,010 - Work Authorization # 17 for the month of May 2016.

BACKGROUND

Fiscal Impact

Attachments

Inv. U9444.103/812-16A

Form Review

Inbox	Reviewed By	Date
Final Approval	Monica Badillo	10/21/2016 05:23 PM
Form Started By: Lora Briones		Started On: 10/21/2016 03:43 PM
Final Approval Date: 10/21/2016		



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: 9/21/2016

Engineer/Firm Name: S&B Infrastructure, Ltd

Project Name/Number: Raymondville Drain, WA No. 17

Invoice No.: Invoice No. U9444.103&812-16A

Invoice Date: 9/20/2016

Due Date: 10/21/2016

Purchase Order No.: 626525

Amount: \$106,010.00

Total # of Pages Submitted: 5

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: _____



RECEIVED
HIDALGO COUNTY
DRAINAGE DISTRICT #1

SEP 21 2016

11:42 AM PM

BY: *[Signature]*

INVOICE

June 27, 2016

Hidalgo County Drainage District No. 1
Attention: Lora Briones, Financial Officer
902 N. Doolittle
Edinburg, Texas 78542

Project Description:
Raymondville Drain
Work Authorization No. 17 "Hidalgo and Willacy Counties - Planning, Design, Preliminary Engineering"

S&B Invoice No.: U9444.103/812-16A
Invoice Period: May 1, 2016 through May 31, 2016

	QTY	UNIT	UNIT PRICE	PERCENT COMPLETE	INVOICED TO DATE	PREVIOUSLY INVOICED	AMOUNT THIS INVOICE
Hidalgo & Willacy Counties -Planning, Design, Preliminary Engineering, and PS&E	1	LS	\$5,599,008	63%	\$ 3,506,276.00	\$ 3,400,265.00	\$ 106,010.00
PAYMENT IS REQUESTED IN THE AMOUNT OF:							\$ 106,010.00

I hereby certify that this invoice is true and correct, and that all services indicated have been provided.

S & B INFRASTRUCTURE, LTD.

[Signature]
Charlotte L. Teague, PE
Senior Project Manager

IN ACCORDANCE WITH OUR CONTRACT,
PLEASE REMIT **BY FED EX:** \$ 106,010.00

FED EX ACCOUNT NO. 2887-7404-8

S&B INFRASTRUCTURE, LTD.
ATTN: MIKE MANTHOS PHONE: 713.845.5401
3535 Sage Road
Houston, Texas 77056

Attachments:
PROGRESS REPORT NO. 16A

Raymondville Drain, Project for Flood Control
Hidalgo County Drainage District No. 1 / S&B Infrastructure, Ltd.
Work Authorization No. 17

		Expanded Progress Report U9444.103&812-16A Thru May 31, 2016			
Expanded Description	Estimated Line Item Budget	% Complete	Invoice To-Date Amount	Previously Invoiced	Amount Due This Invoice
Work Authorization No. 17:					
1 GCM	\$703,663	83%	\$ 580,522	\$ 562,930	\$ 17,592
2 Engineering / Design (HC)	\$653,667	85%	\$ 555,617	\$ 516,757	\$ 38,860
3 Prelim Compensable Utilities (HC)	\$227,008	65%	\$ 147,555	\$ 147,555	\$ -
4 H&H Design (WC)	\$930,776	77%	\$ 718,219	\$ 668,661	\$ 49,558
5 Engineering - Final Schematic (WC)	\$893,524	40%	\$ 357,410	\$ 357,410	\$ -
6 Prelim ROW / Design Survey (WC)	\$354,932	25%	\$ 88,733	\$ 88,733	\$ -
7 Prelim ROW Acquis Admin (WC)	\$270,500	0%	\$ -	\$ -	\$ -
8 Geotechnical (WC)	\$1,564,938	68%	\$ 1,058,217	\$ 1,058,217	\$ -
SUB-TOTAL (WA 17):	\$5,599,008	63%	\$ 3,506,274	\$ 3,400,265	\$ 106,010



Raymondville Drain Project, Project for Flood Control
Lower Rio Grande Basin, (Hidalgo & Willacy Counties), Texas
Water Resources Development Act (WRDA) 1986, Title IV, Section 401,
As Amended by WRDA 2007



INVOICE TRANSMITTAL

S&BI Invoice U9444.103&812-16A

20 September 2016

To: Lora Briones, HCDD1 Financial Officer
Claudette Guerrero, HCDD1 Accountant
José "Noe" Saldivar, PE, HCDD1 Engineer

From: **Sharlotte L. Teague, PE, S&BI Senior Project Manager**

Dear Lora, Claudette, and Noe,

Transmitted herewith is above-referenced S&BI invoice. Under this invoice, we are respectfully requesting payment as follows:

Work Performed Under: S&BI Work Authorization No. 17

Performance Period: thru May 31, 2016

Work Tasks Performed:

For this invoice, we are primarily requesting compensation for **the following** work (see "Expanded Progress Report" attached to invoice; tasks performed are outlined as follows:

1. GCM :

- a. Analyzed WRDA and LERRD requirements
- b. Analyzed and Prepared Estimated Cost Breakdown by Segment
 - LERRD Costs
 - Construction Costs
 - Federal / Local Cost share
- c. Coordination – Sale of Bonds
- d. Coordination with Cong Vela's office – WRDA
- e. Coordination with TxDOT (Margil Maldonado) on the SH 68 Crossing
- f. Identified Potential projects under the HMGP (FEMA 4245 DR)
 - Phase 1 Segment 1 – Faysville Drain extension
 - Phase 2 – Raymondville Drain, Cleaning and Clearing
- g. Meetings included:
 - 2016-5-19 HCDD1 Meeting – Phase 1 Segment 1 Interim Build Options
 - 2016-5-25 Teleconference with Troy Madres / Dave Gorden (Financial Advisor)
 -

2. Engineering / Design (HC):

- a. Updated by Segment BCR Calculations
- b. Prepared construction options for Phase 1 Segment 1
- c. Updated Phase 1 Segment 1 Interim Plan and Profile sheets to change slope from a reversed slope to the ultimate slope.

RECEIVED
HIDALGO COUNTY
DRAINAGE DISTRICT #1

SEP 21 2016

11:42 (AM) PM

BY: MAP



Raymondville Drain Project, Project for Flood Control
Lower Rio Grande Basin, (Hidalgo & Willacy Counties), Texas

Invoice Transmittal, S&BI Invoice U9444.103&812-16a, 3 August 2016

- d. Prepared Construction Estimates for the following Control Structures
 - Hidalgo-Willacy County Line Control Structure
 - Delta Lake Control Structure
 - 12th Street Control Structure
 - Detention Pond Spillway Control Structure
 - e. Utilities
 - Coordinated with AT&T for a utility relocation for HCDD1
 - Updated Phase 1 Segment 1 Utility Map
- 3. H&H Design (WC):**
- a. Analyzed Elevation at Drop-Down Reach via Lidar
 - b. Prepared Estimates and Designs for Willacy County Control Structures at:
 - Garcia Road before San Perlita
 - Willacy County Drop Down to the Main Floodway Channel
 - c. Prepared flood mitigation models for inline storage around the City of Raymondville
 - Prepared Water Surface Profiles to Reflect Various Mitigation Models
 - d. Adjusted HMS Models to 24-hour flows for Willacy Reaches
 - HMS Models
 - SAR from HMS Outputs
 - e. Updated HEC-RAS Models to Reflect Various Adjustments
 - f. Prepared Water Elevation Reports

Electronic back-up has been provided in the attached USB.

Respectfully Submitted By: _____

Charlotte Lynne Teague, PE

Attachments: S&BI Invoice U9444.103&812-16a with Expanded Line-Item Progress Report
USB (Electronic Copies of Technical Back-up as listed above and Sub-provider Invoice)



