



**CONSENT AGENDA
DRAINAGE DISTRICT
BOARD OF DIRECTORS
December 6, 2016
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being discussed separately unless requested by a Board Member, in which event the item or items will immediately be withdrawn for individual consideration in its normal sequence after the items not requiring separate discussion have been acted upon.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 -57599** Request approval of budget transfer for:
A. Office Administration Budget
B. Maintenance and Operation

3. **AI -57577 2013 Bonds**
Budget 010-Raymondville Drain
Engineering Firm: S&B Infrastructure
A. Invoice No. U9444.103/812-17A in the amount of \$16,697.00 related to Work Authorization No. 16-MDS Ph.2 Raymondville Drain Outfalls.
PO#623918

Budget: 360-Lower Rio Grande Grande Valley Regional Water Management Program
Engineering Firm: Tedsi Infrastructure Group
B. Invoice No. 20162900 in the amount of \$1,050.00 related to Work Authorization No. 12-Legal Services for the Delta Watershed.
PO#623665

General Fund

Budget 006-M&O

Engineering Firm: Urban Infrastructure Group, Inc.

C. Invoice No. 1116112804 in the amount of \$1,398.00 related to Work Authorization No. 4A-Additional Services to modify drainage route and connect for Mile 13 1/2 and FM 1015.

PO#630389

4. AI -57595 General Fund

Budget: 006-M&O

Engineering Firm: Halff & Associates

1.-Inv. No. M217472 in the amount of \$82,904.86 from Halff & Associates, Inc. pertaining to Work Authorization No. 2-Engineering Services for firing range.

PO#629455

AI -57599

2.

DRAINAGE - CONSENT

Meeting Date: 12/06/2016

Submitted For: Lora Briones

Submitted By: Lora Briones, DRAINAGE
DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

Request approval of budget transfer for:

A. Office Administration Budget

B. Maintenance and Operation

BACKGROUND

Fiscal Impact

Attachments

backup

backup

Form Review

Inbox

Reviewed By

Date

Final Approval

Monica Badillo

12/02/2016 05:08 PM

Form Started By: Lora Briones

Started On: 12/02/2016 11:17 AM

Final Approval Date: 12/02/2016

HIDALGO COUNTY DRAINAGE DISTRICT NO. 1

902 N. Doolittle Road

Edinburg, Texas 78542

(956)292-7080 Fax (956)292-7089



DATE 12/5/2016
 DEPARTMENT HEAD Raúl Sesin, P.E.
 DEPARTMENT NAME Hidalgo County Drainage District
 ACCOUNT NUMBER 16-110-433-006-45240/46260/45320/47110/43460/46830
M&O

SUBJECT Budget Line Item Transfer (s)

HIDALGO CONTY DRAINAGE DISTRICT #1 BOARD OF DIRECTORS

I submit to you for your consideration the following line-item transfers in accordance with water code, Chapter 49.

FROM		TO		
ACCOUNT NUMBER	ACCOUNT (OBJECT) NAME	ACCOUNT NUMBER	ACCOUNT (OBJECT) NAME	AMOUNT
16-110-433-006-45240-000-000	Other Ins.	16-110-433-006-41150-000-000	Longevity Pay	
16-110-433-006-46260-000-000	Gasoline (Bulk)	16-110-433-006-46630-000-000	Small Tools	\$35,554.54
16-110-433-006-46260-000-000	Gasoline (Bulk)	16-110-433-006-46640-000-000	Minor Equipment	\$16,080.79
16-110-433-006-46260-000-000	Gasoline (Bulk)	16-110-433-006-47410-000-000	Vehicles	\$14,465.45
16-110-433-006-46260-000-000	Gasoline (Bulk)	16-110-433-006-47420-000-000	Heavy Equipment	\$34,559.34
16-110-433-006-46260-000-000	Gasoline (Bulk)	16-110-433-006-44390-000-000	Equip. Repair & Maint. Supplies	\$101,486.95
16-110-433-006-46260-000-000	Gasoline (Bulk)	16-110-433-006-46730-000-000	Road Material	\$28,499.52
16-110-433-006-46260-000-000	Gasoline (Bulk)	16-110-433-006-46790-000-000	Other Repairs & Maint. Supplies	\$55,381.86
16-110-433-006-46260-000-000	Gasoline (Bulk)	16-110-433-006-48100-000-000	Dues & Membership	\$0.11
16-110-433-006-47110-000-000	ROW Acquired	16-110-433-006-47480-000-000	Other Equipment	\$157,130.51
16-110-433-006-47110-000-000	Row Acquired	16-110-433-006-46740-000-000	Pipes	\$111,770.69
16-110-433-006-45320-000-000	Mobile Phones	16-110-433-006-46740-000-000	Pipes	\$8,299.90
16-110-433-006-43460-000-000	Hauling Services	16-110-433-006-44320-000-000	Equipment R & M Service	\$40,113.30
16-110-433-006-43460-000-000	Hauling Services	16-110-433-006-44340-000-000	Vehicle R & M Service	\$9,496.55
16-110-433-006-43460-000-000	Hauling Services	16-110-433-006-45400-000-000	Advertising	\$1,377.44
16-110-433-006-43460-000-000	Hauling Services	16-110-433-006-45840-000-000	Registration Fees	\$295.15
16-110-433-006-43460-000-000	Hauling Services	16-110-433-006-46090-000-000	Agriculture & Landscaping Supplies	\$7,128.90
16-110-433-006-46830-000-000	Lubricants	16-110-433-006-46130-000-000	Safety Supplies	\$2,970.00
16-110-433-006-46830-000-000	Lubricants	16-110-433-006-445840-000-000	Registration Fees	\$3.00
16-110-433-006-46830-000-000	Lubricants	16-110-433-006-45230-000-000	Public Official Insurance	\$978.00
16-110-433-006-46830-000-000	Lubricants	16-110-433-006-45220-000-000	Auto, Truck & Equipment Ins.	\$175.16
16-110-433-006-46830-000-000	Lubricants	16-110-433-006-45210-000-000	Building Ins.	\$11,974.00
16-110-433-006-46830-000-000	Lubricants	16-110-433-006-44390-000-000	Other Structure Repairs & Maint. Services	\$1,909.82
TOTALS				\$639,650.98

REASON: Budget transfer needed to finalize operations to the M&O division through December 31, 2016

Raúl Sesin

 Department Head

 Board Of Directors

 DATE

 DATE

AI -57577

3.

DRAINAGE - CONSENT

Meeting Date: 12/06/2016

Submitted By: Claudette Guerrero,
DRAINAGE DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

2013 Bonds

Budget 010-Raymondville Drain

Engineering Firm: S&B Infrastructure

A. Invoice No. U9444.103/812-17A in the amount of \$16,697.00 related to Work Authorization No. 16-MDS Ph.2 Raymondville Drain Outfalls.

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Budget: 360-Lower Rio Grande Grande Valley Regional Water Management Program

Engineering Firm: Tedsi Infrastructure Group

B. Invoice No. 20162900 in the amount of \$1,050.00 related to Work Authorization No. 12-Legal Services for the Delta Watershed.

PO#623665

General Fund

Budget 006-M&O

Engineering Firm: Urban Infrastructure Group, Inc.

C. Invoice No. 1116112804 in the amount of \$1,398.00 related to Work Authorization No. 4A-Additional Services to modify drainage route and connect for Mile 13 1/2 and FM 1015.

PO#630389

BACKGROUND

Fiscal Impact

Attachments

Urban Inv#1116112804

S&B Inv#U9444.103&812-17A

Tedsi Inv#20162900

Form Review

Inbox**Reviewed By****Date**

Final Approval

Monica Badillo

12/02/2016 05:08 PM

Form Started By: Claudette Guerrero

Started On: 12/01/2016 05:18 PM

Final Approval Date: 12/02/2016



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: 11/22/2016

Engineer/Firm Name: Urban Infrastructure Group, Inc

Project Name/Number: Pct.1-Mile 13.5 and 1015 DIP, WA No. 4

Invoice No.: 1116112804

Invoice Date: 11/18/2016

Due Date: 12/22/2016

Purchase Order No.: 630389

Amount: \$1,398.00

Total # of Pages Submitted: 30

Attachments: CD USB Plans Other: _____

Engineering: Construction:

Received By: Ana Cano

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.**

November 18, 2016

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

RECEIVED
HIDALGO COUNTY
DRAINAGE DISTRICT #1

NOV 22 2016
9:00 AM / PM
B/C

RE: Invoice No. 1116112804

Project Name:	Pct. 1 – Mile 13 ½ and 1015 area Drainage Improvement Project WA4 – PO 630389
Project Number:	112804

*Revised
Invoice*

Invoice Period:	November 2016
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This invoice is for Special Services to modify the proposed drainage route for the Mile 13 ½ and 1015 Area Drainage Improvement project. If you have any questions please don't hesitate to call me.

Professional Services	Complete This Period	Contract Amount	Amount This Month	Total
WA#4 PO 630389 (95% Complete)	15%	\$9,320.00	\$1,398.00	\$1,398.00

Reimbursable Expenses	Each	Rate	Amount
Copies 8.5 x 11		\$0.10	\$0.00
Copies Color		\$0.35	\$0.00
Bond 24x36"		\$4.00	\$0.00

TOTAL AMOUNT DUE:	\$1,398.00
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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.*



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: 11/2/2016

Engineer/Firm Name: S&B Infrastructure

Project Name/Number: Raymondville Drain Project, WA No. 16

Invoice No.: U9444.103&812-17A

Invoice Date: 7/25/2016

Due Date: 12/2/2016

Purchase Order No.: 623918

Amount: \$16,697.00

Total # of Pages Submitted: 3

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: _____



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&812-17A

21 October 2016

RECEIVED
HIDALGO COUNTY
DRAINAGE DISTRICT #1

NOV 02 2016

8:36 AM/PM

BY: WAT

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. 16

Performance Period: thru June 30, 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. Engineering / Design (HC):

- a. Analyzed various construction options to determine the amount of work that can be accomplished with a pre-defined budget.
- b. Prepared construction options for Phase 1 as requested utilizing a defined budget
- c. Performed Earthwork calculations for various construction options
- d. Updated Phase 1 Segment 1 Interim Plan and Profile sheets to change slope from a reversed slope to the ultimate slope.
- e. Analysis of necessary field drains adjacent to proposed new construction
- f. Prepared cost estimates for various field drain designs

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

Respectfully Submitted By: _____

Sharlotte Lynne Teague, PE

Attachments: S&BI Invoice U9444.103&812-17a with Expanded Line-Item Progress Report
USB (Electronic Copies of Technical Back-up as listed above and Sub-provider Invoice)



INVOICE

July 25, 2016

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

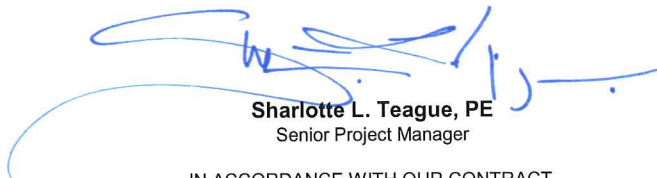
Project Description:
 Raymondville Drain
 Work Authorization No. 16 "Hidalgo County - Planning, Design, Preliminary Engineering, PS&E"

S&B Invoice No.: U9444.103/812-17A
Invoice Period: May 1, 2016 through June 30, 2016

	QTY	UNIT	UNIT PRICE	PERCENT COMPLETE	INVOICED TO DATE	PREVIOUSLY INVOICED	AMOUNT THIS INVOICE
Hidalgo County -Planning, Design and PS&E	1	LS	\$3,007,286	57%	\$ 1,712,521.00	\$ 1,695,824.00	\$ 16,697.00
PAYMENT IS REQUESTED IN THE AMOUNT OF:							\$ 16,697.00

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

S & B INFRASTRUCTURE, LTD.



Charlotte L. Teague, PE
 Senior Project Manager

IN ACCORDANCE WITH OUR CONTRACT,
 PLEASE REMIT **BY FED EX:** \$ 16,697.00

FED EX ACCOUNT NO. 2887-7404-8
 S&B INFRASTRUCTURE, LTD.
 ATTN: MIKE MANTHOS PHONE: 713.845.5401
 3535 Sage Road
 Houston, Texas 77056

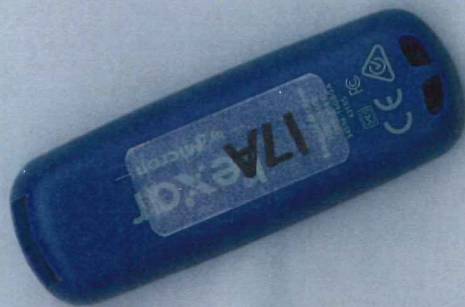
Attachments:
 PROGRESS REPORT NO. 17A

Raymondville Drain, Project for Flood Control
Hidalgo County Drainage District No. 1 / S&B Infrastructure, Ltd.
Work Authorization No. 16

Expanded Progress Report					
U9444.103&812-17B					
Thru June 30, 2016					
Expanded Description	Estimated Line Item Budget	% Complete	Invoice To-Date Amount	Previously Invoiced	Amount Due This Invoice
Work Authorization No. 16:					
1 GCM	\$265,616	90%	\$ 239,054	\$ 239,054	\$ -
2 Engineering / Design (HC)	\$834,861	92%	\$ 768,072	\$ 751,375	\$ 16,697
3 Geotechnical (HC)	\$423,909	52%	\$ 222,399	\$ 222,399	\$ -
4 Design Survey (HC)	\$241,451	85%	\$ 205,234	\$ 205,234	\$ -
5 ROW Survey (HC)	\$309,349	47%	\$ 146,843	\$ 146,843	\$ -
6 ROW Acquis Administration (HC)	\$782,100	0%	\$ 3,420	\$ 3,420	\$ -
7 Prelim ROW / Utilities (HC)	\$150,000	85%	\$ 127,500	\$ 127,500	\$ -
SUB-TOTAL (WA 16):	\$3,007,286	57%	\$ 1,712,523	\$ 1,695,825	\$ 16,697

Invoice Back-up

U9444.1031902 - 17a





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: 11/17/2016

Engineer/Firm Name: Tedsi Infrastructure Group

Project Name/Number: Delta Watershed Legal Water Rights Project October Invoice

Invoice No.: 20162900

Invoice Date: 11/15/2016

Due Date: 12/17/2016

Purchase Order No.: 623665

Amount: \$1,050.00

Total # of Pages Submitted: 9

Attachments: CD USB Plans Other: _____

Engineering:

Construction:

Received By: Ana Cano

Forwarded to:

Nora D. Cavazos _____ Date: _____

Esther Layton _____ Date: _____

Claudette Guerrero _____ Date: _____

Jose N. Saldivar _____ Date: _____

Lora Briones _____ Date: _____

Additional Comments: _____



TEDSI
TBPE F-1640

TEDSI INFRASTRUCTURE GROUP

Consulting Engineers
1201 East Expressway 83 + Mission, Texas 78572
Tel: (956) 424-7898
Fax: (956) 424-7022

November 15, 2016
Project No: 2013-1128-12
Invoice No: 20162900

Ms. Claudette Guerrero
Hidalgo County Drainage District No. 1
902 North Doolittle Road
Edinburg, TX 78542

Project 2013-1128-12 Lower Rio Grande Valley Regional Water Management Program - Legal

Precinct No. 1 - 2012 Bond Referendum
Account No. 13-133-433-360-43340-010-000
P.O. No. 623665

Professional Services from October 1, 2016 to October 31, 2016

Phase	200	Water Rights - BBS, PC			
Consultants					
Reimbursable Consultants Expense					
10/31/2016	Beatty Bangle Strama, PC	Invoice No. 19770	900.00		
Total Consultants			900.00	900.00	
				Total this Phase	\$900.00

Phase	300	Water Rights - BHDA, LLP			
Consultants					
Reimbursable Consultants Expense					
10/31/2016	Bickerstaff Heath Delgado Acosta LLP	Invoice No. 102063	150.00		
Total Consultants			150.00	150.00	
				Total this Phase	\$150.00

Billing Summary		Current	Prior	To-Date	
Total Billings		1,050.00	191,531.05	192,581.05	
Total Fee				206,463.14	
Remaining Fee				13,882.09	
				Total this Invoice	\$1,050.00

Outstanding Invoices

Number	Date	Balance
20162877	10/20/2016	405.00
Total		405.00

Total Now Due \$1,455.00

PLEASE REMIT PAYMENT TO:
TEDSI Infrastructure Group, Inc.
738 Highway 6 South, Suite 430
Houston, Texas 77079

Authorized By: 
Mark W. Luper, P.E., RPLS
Executive Vice President

Date: 11.15.16



BBS BEATTY
BANGLE
STRAMA *pc*

October 31, 2016

Jesse Salinas
TEDSI Infrastructure Group
1201 East Expressway 83
Mission, TX 78572

Invoice No. 19770

In Reference To: *Hidalgo County Delta Watershed Project and Hidalgo County
Drainage District No. 1*

Professional Services

	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
10/05/16 ELIII August water Brief.	3.00	300.00/hr	900.00
For professional services rendered	<u>3.00</u>		<u>\$900.00</u>

Previous balance \$225.00

Balance due \$1,125.00

Current	30 Days	60 Days	90 Days	120+ Days
\$900.00	\$225.00	\$0.00	\$0.00	\$0.00

TEDSI INFRASTRUCTURE GROUP
 Project No. 2013-1128-12 Phase No. 200
 Lump Sum Approved Hold
 Hourly Rejected Process
 Sign NWL Date 11/14/16

400 West 15th Street | Suite 1450 | Austin, Texas 78701
 T (512) 879-5050 | F (512) 879-5040 | bbsfirm.com

Bickerstaff Heath Delgado Acosta LLP

3741 S. Mo-Pac Expy. Building One, Suite 300 Austin, Texas 78746 (512) 472-8021 Fax (512) 320-5638 Tax ID No 74-2153894



Hidalgo County Drainage District No. 1
 c/o TEDSI Infrastructure Group, Inc.
 1201 E. Expressway 83
 Mission, TX 78572

November 14, 2016
 Client: 003978
 Matter: 000001
 Invoice #: 102063
 Bill Atty: DM

Page: 1

RE: Drainage Improvements

For Professional Services Rendered Through October 31, 2016

SERVICES

Date	Person	Description of Services	Hours	
10/25/2016	EWR	Review status of permit; email team regarding same.	0.5	
Total Professional Services			0.5	\$150.00

BILLING RECAP

Level	Hours	Rate	Amount	
EWR Emily Rogers	Partner	0.5	\$300.00	\$150.00
Total Services			\$150.00	
Total Current Charges				\$150.00

TEDSI INFRASTRUCTURE GROUP

Project No. 2013-1128-12 Phase No. 300

Lump Sum Approved Hold
 Hourly Rejected Process

Sign MWD Date 11/14/16

PAY THIS AMOUNT

\$150.00

Good afternoon,

This report is for the week ending 10/22/2016.

- The current cycle began on October 25, 2015. As of the date of this report, Mexico has delivered 214,986 AF.
- The pro-rated deficit as of 10/22/2016 is 133,101 AF which is a decrease of 1,067 AF from the 132,034 AF reported in the 10/15/2016 report.
 - This deficit is calculated each week based on a linear approach that considers an average expected delivery per day.
- Data and information should be considered provisional and is subject to IBWC revision.

On October 22, 2016, the U.S. combined ownership at Amistad/Falcon stood at 61.04% of normal conservation capacity, impounding 2,070,553 acre-feet, up from 55.33% (1,876,794 AF) of normal conservation a year ago at this time.

The table below provides a summary of reservoir information for the current week, one month prior, and one year prior.

	U.S. Amistad		U.S. Falcon		Amistad & Falcon Water Storage Total-U.S. and Mexico (AF)
	Storage (AF)	Elevation (FT)	Storage (AF)	Elevation (FT)	
10/22/2016	1,526,567	1099.39	543,986	270.98	3,087,184
09/24/2016	1,499,814	1098.13	513,179	269.13	2,954,227
10/24/2015	1,150,397	1089.55	726,396	282.91	3,202,305

The Mexican Reservoirs report shows, as a whole, a total of 84.08% average capacity. San Gabriel is at 101.817% of normal capacity with 4.350 cms / 154 cfs discharge to the Rio Florido.

As of 10/22/16:

The United States has 1,526,567 AF in Amistad and 543,986 AF in Falcon.

Mexico has 745,853 AF in Amistad and 270,777 AF in Falcon.

The Amistad Reservoir is currently at:

1099.39 ft -17.61 with a release of 20.0 cms / 706 cfs

Falcon Reservoir is currently at:

270.98 ft -30.22 with a release of 35.0 cms / 1,236 cfs

September 2016

Via Electronic Mail

Mark Lupher
TEDSI Infrastructure Group
1201 East Expressway 83
Mission, TX 78572

Re: September 2016 Water Brief

Please allow the following information to serve as a resource regarding some of the water issues trending in Texas. It is not a comprehensive summary. Its purpose is to provide information that may be of interest to water stakeholders in our region at this time. In addition, the information provided is only basic information regarding the subject matter herein. Additional information regarding any of the subject matters discussed below is available upon request. This is a work product of Beatty Bangle Strama PC and is intended for the sole use of the firm's clients. Before taking any action in reliance on the information included herein, we ask that you personally consult with an attorney from our firm.

EPA Expected to Address Lead Water Pipes in Next Rule Making

According to a recent intra-agency memo, EPA is expected to consider revising its rule governing lead and copper water pipelines likely resulting in the need to fully replace pipes in many systems in the U.S. The Lead and Copper Rule was originally promulgated in 1991 to implement provisions of the Safe Drinking Water Act. Joel Beauvais, deputy assistant administrator stated that the memo serves as insight as to the current discussion within the agency on the need to overhaul this rule. The memo states "Lead crises in Washington, D.C., and in Flint Michigan, and the subsequent national attention focused on lead in drinking water in other communities, have underscored significant challenges in the implementation of the current rule, including a rule structure that for many systems only compels protective actions after public health threats have been identified."

Elements under consideration in the updated rule include full lead service line replacement, corrosion control treatment requirements, health-based benchmarks, point-of-use filters, improvements to sampling requirements, transparency and information sharing, public education

requirements, revised copper requirements and the rule's relationship with lead in sources other than drinking water.¹

EPA has stated that it will consider several factors when revising the rule including, but not limited to, minimizing exposure to lead, creating clear and enforceable requirements, and promoting transparency, environmental justice and children's health. EPA has stated that "low levels of exposure to lead has been linked to nervous system damage, learning disabilities, shorter stature, impaired hearing, and impaired formation and function of blood cells in children."

EPA estimates that costs for entire system replacement range from \$16 billion to \$80 billion for systems nation wide. These estimated costs draw concerns with proposed rules aimed at requiring full pipe replacements given the current funding constraints. EPA stated that given the costs associated with strategies aimed at full line replacements, they are likely to focus on promotion of "optimal corrosion control treatment" as a key part of the rule change.

Shallow Aquifers May Pose Higher Risks of Contamination

A study conducted by a team of international scientist warns that cities who rely heavily on groundwater for their municipal supplies pose a higher risk of exposure to contaminants. These findings were recently published in *Nature Communications*. Using computer models and field observations, the team used Dhaka, Bangladesh as a prime example of intensive groundwater pumping, noting that such continued use of depressurize deep drinking water aquifers increases the chance that those aquifers will be contaminated by drawing down water from more contaminated shallow aquifers. Industrial contaminates seem to be the lead cause of the contamination of shallow aquifers in more urbanized areas. In addition, many of the study areas contained noticeable amounts of arsenic, some of which was naturally occurring. Arsenic is a toxin found naturally in sediments around the world that can cause death if large amounts are ingested. Exposure to arsenic can also lead to several forms of cancer, heart disease and stroke. This research highlighted that many shall aquifers studied contained arsenic levels that can be 100 times greater than those currently allowed under U.S. Environmental Protection Guidelines. In efforts to overcome this problem, officials have been drilling deeper wells where water has significantly lower levels of arsenic.

The study estimates that nearly 500 million people live near large cities where groundwater pumping occurs. Several regions within Texas are heavily dependent on groundwater for their water supply. Areas near San Antonio, Austin, DFW and El Paso have seen extensive groundwater pumping in recent years. Peter Knappett, assistant professor hydrogeology at Texas A&M, who was part of the team that conducted and published the study states "While still widely present and a concern in the U.S., arsenic is often not the problem, but rather contaminants such as industrial fluids and even gasoline that seeps into the aquifers. Once an

¹ Law360 article "*EPA Might End Lead Water Pipes in Next Rule Update*"

aquifer is broadly contaminated on a regional scale similar to the size of U.S. cities, it's finished – there is no way of reversing the problem. The water standards in the U.S. are much higher than most of the developing world.” Knappett continues by stating “But in Bangladesh and other countries, millions of people are at-risk, and it's very possible that urban pumping could contaminate their only reliable source of drinking over the next 50-100 years, with no plan in place to reduce the risk. This is a health crisis waiting to happen.” The study was funded by the National Institute for Environmental Health Superfund Research Program.²

Miscellaneous

Attached please find the latest reservoir report prepared by the TCEQ Water Master's office for the Rio Grande River. Included in the report is the latest information regarding Mexican water deliveries.

https://www.texastribune.org/2016/11/01/data-application-track-texas-reservoir-levels/?utm_source=Texas+Tribune+Master&utm_campaign=9626ea56d8-trib-newsletters-rss&utm_medium=email&utm_term=0_d9a68d8efc-9626ea56d8-101254421&mc_cid=9626ea56d8&mc_eid=d105dfb8b9 Link to an interactive website with the latest information on reservoir levels in Texas.

https://www.texastribune.org/2016/10/25/vw-settlement-finalization-texas-poised-receive-mi/?utm_source=Texas+Tribune+Master&utm_campaign=9626ea56d8-trib-newsletters-rss&utm_medium=email&utm_term=0_d9a68d8efc-9626ea56d8-101254421&mc_cid=9626ea56d8&mc_eid=d105dfb8b9 this Article highlights the settlement reach in the lawsuit against Volkswagen for fraud in their emissions testing. Texas will receive \$190 million as part of this national settlement.

<http://phys.org/news/2016-10-life-revealed.html> this is a great article about how record floods in May of 2015 in East Texas impact the Gulf of Mexico. NASA conducted a comprehensive study to determine how the large amounts of fresh water impacted the gulf.

<https://www.regonline.com/Register/Checkin.aspx?EventID=1855762> link to registration for the Water for Texas 2017 Conference in Austin, Texas. Water for Texas 2017 will bring together water industry experts and enthusiasts, engineers, water authorities and districts, legislators, financial advisors, city and regional representatives.
<http://waterfortexas.twdb.texas.gov/index.asp> link to the agenda.

² Texas A&M Today article “Millions Of People At Risk Drinking Contaminated Groundwater”

AI -57595

4.

DRAINAGE - CONSENT

Meeting Date: 12/06/2016

Submitted By: Claudette Guerrero,
DRAINAGE DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

General Fund

Budget: 006-M&O

Engineering Firm: Halff & Associates

1.-Inv. No. M217472 in the amount of \$82,904.86 from Halff & Associates, Inc. pertaining to Work Authorization No. 2-Engineering Services for firing range. PO#629455

BACKGROUND

Fiscal Impact

Attachments

[Halff Inv#M217472](#)

Form Review

Inbox	Reviewed By	Date
Final Approval	Monica Badillo	12/02/2016 05:08 PM
Form Started By: Claudette Guerrero		Started On: 12/02/2016 10:38 AM
Final Approval Date: 12/02/2016		



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: 10/24/2016

Engineer/Firm Name: Halff Associates, Inc.

Project Name/Number: Former Firing Range Berm, WA No. 2

Invoice No.: M217472

Invoice Date: 10/20/2016

Due Date: 11/23/2016

Purchase Order No.: 629455

Amount: \$82,904.86

Total # of Pages Submitted: 10

Attachments: CD USB Plans Other: _____ 5

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

RECEIVED
HIDALGO COUNTY
DRAINAGE DISTRICT #1

OCT 24 2016

OCT 24 2016

2:06 AM (PM)

2:06 AM (PM)

BY: *[Signature]*

BY: *[Signature]*

INVOICE

HALFF

ENGINEERS ARCHITECTS SCIENTISTS PLANNERS SURVEYORS

REMITTANCE ADDRESS

Halff Associates, Inc
P.O. Box 678316
Dallas, TX 75267
www.halff.com

HIDALGO COUNTY DRAINAGE DISTRICT #1
902 N. DOOLITTLE
EDINBURG, TX 78542
Attention: Mr. Raul Sesin

Invoice Date : 10/20/2016
Invoice # : M217472
Project : 31392
Invoice Group : 02
Client Code : HIDALG

Project Name : HCDD#1\Former Firing Range Berm

For Professional Services Rendered through: 10/16/2016

Re: Engineering Services \ Subsurface Investigation
Rifle\Handgun Firing Range Project
TCEQ TRRP Applicability Evaluation & Environmental Remediation
Edinburg, TX
Purchase Order#: 629455

** Please contact Maribel Martinez at (956-664-0286)
with any questions regarding this invoice.

Phase / Task / Name	Fee	Previous Amount	Current Amount	Total Fee Earned	Budget Remaining
WA02 -- TCEQ TRRP Applicability& Remediatio	151,788.00	38,360.82	82,904.86	121,265.68	30,522.32
Totals:	151,788.00	38,360.82	82,904.86	121,265.68	30,522.32

Project Fee: 151,788.00
Prior Billings: 38,360.82
Total Available: 113,427.18

Total this Invoice 82,904.86
Amount Due this Invoice 82,904.86

Thank you
[Signature]

Phase :WA02 -- TCEQ TRRP Applicability& Remediatio

Task : **** -- Default Task

Rate Schedule Labor

<u>Class / Employee Name</u>	<u>Date</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
GEOLOGIST				
S Kent Belaire	09/13/2016	0.50	205.00	102.50
	09/16/2016	0.50	205.00	102.50
	09/20/2016	1.00	205.00	205.00
	09/21/2016	0.50	205.00	102.50
	09/23/2016	0.50	205.00	102.50
	09/30/2016	2.00	205.00	410.00
	10/04/2016	2.00	205.00	410.00
	10/05/2016	1.50	205.00	307.50
	10/06/2016	1.00	205.00	205.00
	10/07/2016	4.00	205.00	820.00
	10/10/2016	1.00	205.00	205.00
		-----		-----
		14.50		2,972.50
GEOLOGIST, GRADE 3				
Austin C. Harrison	09/07/2016	2.00	90.00	180.00
Worked on coordinating timing for soil removal & water well search				
	09/08/2016	2.00	90.00	180.00
Worked on coordinating timing for soil removal & water well search				
	09/16/2016	1.00	90.00	90.00
Coordinated with Sunbelt on profile needs for berm removal				
	09/20/2016	1.00	90.00	90.00
Worked on getting waste profiles signed for Hidalgo County Berm with Sunbelt				
	09/22/2016	1.00	90.00	90.00
Worked on scheduling Hidalgo County Berm with Sunbelt				
	09/23/2016	1.00	90.00	90.00
Postponed Hidalgo County berm removal. Cancelled reservations and worked on re-scheduling with Sunbelt.				
	09/26/2016	2.00	90.00	180.00
Worked on prepping and coordinating for Hidalgo berm removal next week.				
	09/27/2016	2.00	90.00	180.00
Worked on prepping and coordinating for Hidalgo berm removal next week.				
	09/28/2016	2.00	90.00	180.00
Worked on prepping and coordinating for Hidalgo berm removal next week.				
	09/29/2016	2.00	90.00	180.00
Worked on prepping and coordinating for Hidalgo berm removal next week.				
	09/30/2016	2.00	90.00	180.00
Worked on prepping and coordinating for Hidalgo berm removal next week.				
	10/03/2016	8.00	90.00	720.00

Phase :WA02 -- TCEQ TRRP Applicability& Remediatio

Task : **** -- Default Task

Rate Schedule Labor

<u>Class / Employee Name</u>	<u>Date</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
GEOLOGIST, GRADE 3				
Drove to Edinburg, reconned site.	10/04/2016	8.00	90.00	720.00
Excavated one load for feasibility study at Landfill. Excavated original amount, and collected floor and wall samples from over excavated areas	10/05/2016	4.00	90.00	360.00
completed excavation activities.	10/06/2016	8.00	90.00	720.00
Loaded Trucks for landfill	10/07/2016	8.00	90.00	720.00
Loaded Trucks for landfill	10/10/2016	6.00	90.00	540.00
	10/11/2016	6.00	90.00	540.00
	10/14/2016	8.00	90.00	720.00
		----- 74.00		----- 6,660.00
GEOLOGIST, GRADE 5				
Lee E. Beeson	09/06/2016	4.50	120.00	540.00
APAR, figure review	09/07/2016	2.00	120.00	240.00
Scheduling soil removal	09/08/2016	1.00	120.00	120.00
Scope review	09/09/2016	3.00	120.00	360.00
Project discussion with CH, APAR	09/12/2016	2.00	120.00	240.00
Schedule, Contact HCDD1 on removal	09/13/2016	3.50	120.00	420.00
APAR	09/14/2016	4.00	120.00	480.00
APAR	09/16/2016	1.00	120.00	120.00
Contact HCDD1, discuss removal with CH	09/19/2016	0.50	120.00	60.00
Soil removal questions	09/21/2016	1.50	120.00	180.00
Removal questions, APAR	09/22/2016	4.50	120.00	540.00
APAR	09/23/2016	3.50	120.00	420.00
APAR	09/27/2016	1.00	120.00	120.00
Discuss soil removal	09/29/2016	2.50	120.00	300.00
APAR	09/30/2016	4.50	120.00	540.00
Discuss soil removal with KB and CH, proof draft APAR	10/03/2016	3.00	120.00	360.00

Phase :WA02 -- TCEQ TRRP Applicability& Remediatio

Task : **** -- Default Task

Rate Schedule Labor

<u>Class / Employee Name</u>	<u>Date</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
GEOLOGIST, GRADE 5				
APAR edits	10/04/2016	1.50	120.00	180.00
Questions on removal	10/06/2016	1.00	120.00	120.00
Review analytical data and QC data	10/10/2016	3.00	120.00	360.00
Discuss removal and extent of area, APAR	10/11/2016	1.50	120.00	180.00
APAR		-----		-----
		49.00		5,880.00
SECRETARY				
Shelly P. Stancill	09/20/2016	0.50	60.00	30.00
Travel arrangements - C. Harrison	10/04/2016	0.50	60.00	30.00
Travel arrangements - Harrison		-----		-----
		1.00		60.00
Rate Schedule Labor				15,572.50

Regular Expenses

<u>Vendor Name</u>	<u>Doc Nbr</u>	<u>Date</u>	<u>Cost</u>	<u>Multiplier</u>	<u>Amount</u>
Testing					
B&A Laboratories, Inc.	204239	07/14/2016	(1) 220.000	1.100	242.00
	204242	07/15/2016	(2) 150.000	1.100	165.00
			-----		-----
			370.000		407.00
Lodging					
AMERICAN EXPRESS	204153	10/05/2016	(3) 336.740	1.100	370.41
Lodging - C. Harrison 10/3 - 10/4					
Regular Expenses					777.41

Total Task : **** -- Default Task

Labor : 15,572.50
Expense : 777.41

Task : SUB01 -- Sunbelt Industrial

Regular Expenses

<u>Vendor Name</u>	<u>Doc Nbr</u>	<u>Date</u>	<u>Cost</u>	<u>Multiplier</u>	<u>Amount</u>
Subconsultants - Other					
Sunbelt Industrial Services	204314	10/20/2016	(4) 59,705.000	1.100	65,675.50
Regular Expenses					65,675.50

Total Task : SUB01 -- Sunbelt Industrial

Labor : 0.00
Expense : 65,675.50

Task : SUB02 -- Test America Lab

Phase :WA02 -- TCEQ TRRP Applicability& Remediatio

Task : SUB02 -- Test America Lab

Regular Expenses

<u>Vendor Name</u>	<u>Doc Nbr</u>	<u>Date</u>	<u>Cost</u>	<u>Multiplier</u>	<u>Amount</u>
Testing					
TestAmerica Laboratories,	204122	10/17/2016	(5) 799.500	1.100	879.45
Regular Expenses					879.45

Total Task : SUB02 -- Test America Lab

Labor : 0.00
Expense : 879.45

Total Phase : WA02 -- TCEQ TRRP Applicability& Remediatio 82,904.86

Total Project: 31392 -- HCDD#1\Former Firing Range Berm 82,904.86



PO Box 2256
 Stafford, TX 77497
 Ph: (281) 240-4200 Fax (281) 240-4280
 Houston - Dallas - San Antonio - Midland
 ACH: Routing: 26-708-4131
 Bank Account: 12-871-1560

(1)

Invoice No. 1362050

204239

6/20/16

Please note our remit to address has changed

Client Information	Invoice Information
Invoice to: Halff Associates Contact: Kent Belaire Address: 1201 N. Bowser Richardson, TX 75081 Project Name: Edinburg Tx Project #: 31392/WA02	Invoice Date: 07.14.16 Due Date: 08.13.16 Terms: 30 Days PO #: Lab PM: Gale Denman

Comments:

Products / Services	WO Number	Matrix	TAT	Qty	Price	Ext. Price
Metals per ICP by SW846 6010B	533089	Solid	Standard TAT	4	50.00	\$200.00
Percent Moisture by SM2540G	533089	Solid	Standard TAT	4	5.00	\$20.00

Total: \$220.00

10/20

LB

Please detach this portion and return with your payment

Client Information
Client: Halff Associates Contact: Kent Belaire Terms: 30 Days PO #:

Invoice Information:	1362050
Work Order Number:	533089
Due Date:	08.13.16
Invoice Amount:	\$220.00
Amount Remitted:	<input type="text"/>

Past Due Invoices are subject to a 1.5% per Month service charge, plus collection fees.

Please send your payments to: B&A Laboratories, Inc.
 PO Box 2256
 Stafford, TX 77497
 Ph: (281) 240-4200 Fax (281) 240-4280
 Houston - Dallas - San Antonio - Odessa
 ACH: Routing: 26-708-4131 Bank Account: 12-871-1560

Make checks payable or Credit Card payments to B&A Laboratories, Inc.



PO Box 2256
 Stafford, TX 77497
 Ph: (281) 240-4200 Fax (281) 240-4280
 Houston - Dallas - San Antonio - Midland
 ACH: Routing: 26-708-4131
 Bank Account: 12-871-1560

(2)

Invoice No. 1362140

204242

Please note our remit to address has changed

6243

Client Information	Invoice Information
Invoice to: Halff Associates Contact: Kent Belaire Address: 1201 N. Bowser Richardson, TX 75081 Project Name: Edinburg, Tx Project #: 31392/WA02	Invoice Date: 07.15.16 Due Date: 08.14.16 Terms: 30 Days PO #: Lab PM: Gale Denman

Comments:

Products / Services	WO Number	Matrix	TAT	Qty	Price	Ext. Price
Metals per ICP by SW846 6010B	533090	Water	Standard TAT	3	50.00	\$150.00
Total:						\$150.00

10/19

KB

Please detach this portion and return with your payment

Client Information
Client: Halff Associates Contact: Kent Belaire Terms: 30 Days PO #:

Invoice Information: 1362140
Work Order Number: 533090 Due Date: 08.14.16 Invoice Amount: \$150.00 Amount Remitted: <input type="text"/>

Past Due Invoices are subject to a 1.5% per Month service charge, plus collection fees.

Please send your payments to: B&A Laboratories, Inc. d/b/a Xenco Laboratories
 PO Box 2256
 Stafford, TX 77497
 Ph: (281) 240-4200 Fax (281) 240-4280
 Houston - Dallas - San Antonio - Midland
 ACH: Routing: 26-708-4131
 Bank Account: 12-871-1560

31392 WAB2



Kung

15

(3)

36

10-06-16

Austin Harrison ✓ 1520 Richardson Dr Apt 1216 Richardson TX 75080-4694 United States	Folio No.	: 13810	Room No.	: 325
	A/R Number	:	Arrival	: 10-03-16 ✓
	Group Code	:	Departure	: 10-05-16 ✓
	Company	: les	Conf. No.	: 67737840
	Membership No.	: PC 391314526	Rate Code	: IGCOR
	Invoice No.	:	Page No.	: 1 of 1

Date	Description	Charges	Credits
10-03-16	*Accommodation	149.00	
10-03-16	State Tax 6%	8.94	
10-03-16	City Tax 7%	10.43	
10-04-16	*Accommodation	149.00	
10-04-16	State Tax 6%	8.94	
10-04-16	City Tax 7%	10.43	
10-05-16	American Express XXXXXXXXXXXX3007		336.74

Thank you for staying with us! Qualifying points for this stay will automatically be credited to your account. Please tell us about your stay by writing a review here - www.ihgrewardsclub.com/review. We look forward to welcoming you back soon.

Total	336.74	336.74
Balance	0.00	

Guest Signature: _____

I have received the goods and / or services in the amount shown heron. I agree that my liability for this bill is not waived and agree to be held personally liable in the event that the indicated person, company, or associate fails to pay for any part or the full amount of these charges. If a credit card charge, I further agree to perform the obligations set forth in the cardholder's agreement with the issuer.

Holiday Inn Express & Suites Edinburg
 3801 S Closner Blvd
 Edinburg, TX 78539
 Telephone: (956) 378-9955 Fax: (956) 513-1011



204311

Please Remit to:
Sunbelt Industrial Services (2226)
P.O. Box 2201
Decatur, AL 35609-2201

Invoice

2415 Cullen Street
Fort Worth, Texas 76107

(4)

Rep	Date	Invoice #
LCM	10/14/2016	702840

Phone # 817-877-0866
Fax # 817-877-0428

Bill To
Half Associates, INC. (418695)
1201 North Bowser Rd.
Richardson, TX 75081

Site Address
Hidalgo Firing Range
902 Doolittle
Edinburg, Texas

HOLD

Job #	P.O. No.	Terms	Due Date	Contact Name
TR16-038		Net 30	11/13/2016	Conrad Harrison

Quantity	UOM	Description	Rate	Amount
1	Lump Sum	Mobilization	1,380.00	1,380.00
3	Days	Operator & Per Diem	650.00	1,950.00
1	Lump Sum	120 Excavator	4,000.00	4,000.00
1	Lump Sum	Medical Monitoring	250.00	250.00
1	Lump Sum	POPE	200.00	200.00
2	Rolls	Poly	90.00	180.00
1	Loads	Transport to US Ecology	1,075.00	1,075.00
8	Loads	Transport to US Ecology	990.00	7,920.00
190	Tons	Disposal Hazardous Soils	225.00	42,750.00

ADD 3139Z
WA0Z
RB

	Subtotal	\$59,705.00
	Sales Tax (8.25%)	\$0.00
	Total	\$59,705.00

204122

(5)

Invoice/Credit No.	56069634	Invoice Date	October 17, 2016
Terms	See Below	Federal Tax ID	23-2919996
Remit to	TestAmerica Laboratories, Inc. PO BOX 204290, Dallas, TX 75320-4290		

Bill to:
Half Associates Inc. Attn: Accounts Payable 1201 North Bowser Road Richardson, TX 75081

Ship to:
Half Associates Inc. 1201 North Bowser Road Richardson, TX 75081

P.O. Number AVO 31392 / WA02	W.O. Number	Contract Number	Work Ordered by Conrad Harrison
Job Description See below	Site Name	SDG Number	Invoice Contact Conrad Harrison

Job No.	Job Description Method/Test Description	Receipt Date	Quantity	Unit Price	Amount
J64129-1	31392 6010B - Lead & Copper Moisture - Percent Moisture Deliverables - TRRP Report (%) Safe and Environmentally Responsible Waste Management (per sample) Verification samples for Hidalgo Basin excavation	10/04/2016	✓ 5.00 ✓ 5.00 ✓ 1.00 ✓ 5.00	✓ 114.00 ✓ 30.00 ✓ 72.00 ✓ 1.50	✓ 570.00 ✓ 150.00 ✓ 72.00 ✓ 7.50

OK to pay

LIB

No Tax

Project Number 56006144	Client Number 1424978	Project Manager Nicole Boyken	Subtotal	✓ \$799.50
Latest Sample Receipt Date 10/04/2016	Latest Report Date 10/06/2016	Phone Number (361) 800-5200	Total	\$799.50

For proper credit, please include invoice number on all remittance.

TestAmerica Corpus Christi - 1733 N. Padre Island Drive, Corpus Christi, TX 78408

This invoice falls under TestAmerica Laboratories Inc. Standard T&C's of Net 30 Days unless superseded by another valid contract vehicle in place at the time these services were rendered.