

**AI-18597**

**4.**

**Hauling Services & Fuel**

**DRAINAGE DISTRICT**

Date: 11/24/2009

Submitted By: Jaime Salazar, DRAINAGE DISTRICT

Submitted For: Jaime Salazar

Department: DRAINAGE DISTRICT

Information

CAPTION

A. Recommending award of bid and approval of contract to lowest bidder meeting all required specifications for Bid No. 09-022-11-04 "Hauling of Dirt with an Option to Load" (International Materials).

B. Recommending award of bid and approval of contract to multiple bidders meeting all required specifications for Bid No. 09-023-11-04 "Hauling Services for Gravel/Sand and/or Crushed Caliche."

- 1. International Materials
- 2. Roy's Hauling Service

C. Recommending award of bid and approval of contract to the lowest bidder meeting all required specifications for Bid No. 09-024-11-04 "Gasoline, On & Off Highway Diesel Fuel" (Oil Patch Fuel & Supply Inc).

BACKGROUND

Fiscal Impact

Attachments

Link: [Bid Tab Hauling of Dirt](#)

Link: [Bid Tab Hauling Services Gravel](#)

Link: [Bid Tab Gasoline](#)

Form Routing/Status

Route Seq	Inbox	Approved By	Date	Status
1	Budget & Management	Erika Zamora	11/18/2009 08:58 AM	APRV
2	Perla Lopez	Perla Lopez	11/18/2009 01:18 PM	APRV
3	Final Approval	Angela Garcia	11/20/2009 04:27 PM	APRV

Form Started By: Jaime Salazar

Started On: 11/17/2009 02:28 PM

Final Approval Date: 11/20/2009

HIDALGO COUNTY DRAINAGE DISTRICT NO. 1  
 " HAULING OF DIRT WITH AN OPTION TO LOAD "  
 BID NO. 09-022-11-04

**BID COMPARISON**

<b>INTERNATIONAL MATERIALS "HAULING OF DIRT"</b>				<b>L&amp;G TRANSPORT SERVICES "HAULING OF DIRT"</b>				<b>Price Difference</b>
Radius Miles	Total Cost Per Cubic Yard	Fuel Cost Percentage Per Cubic Yard	Current/Base Fuel Cost	Radius Miles	Total Cost Per Cubic Yard	Fuel Cost Percentage Per Cubic Yard	Current/Base Fuel Cost	Price Increase
SAMPLE	\$3.00	33.00%	\$1.00	SAMPLE	\$3.00	33.00%	\$1.00	
01-10 Mile	\$3.00	28%	\$2.60	01-10 Mile	\$3.50	76%	\$2.69	\$0.50
11-20 Mile	\$4.00	28%	\$2.60	11-20 Mile	\$4.50	59%	\$2.69	\$0.50
21-30 Mile	\$4.50	28%	\$2.60	21-30 Mile	\$6.50	41%	\$2.69	\$2.00
31-40 Mile	\$5.80	28%	\$2.60	31-40 Mile	\$8.50	31%	\$2.69	\$2.70
41-50 Mile	\$7.00	28%	\$2.60	41-50 Mile	\$10.50	25%	\$2.69	\$3.50
51-60 Mile	\$7.50	28%	\$2.60	51-60 Mile	\$12.50	21%	\$2.69	\$5.00
61-70 Mile	\$9.60	28%	\$2.60	61-70 Mile	\$14.50	18%	\$2.69	\$4.90

\*THE FOLLOWING CHART IS TO COMPARE THE PRICE FORM BETWEEN THE TWO BIDDERS.  
 \*LOWEST BID SUBMITTED HIGHLIGHTED IN YELLOW

**HIDALGO COUNTY DRAINAGE DISTRICT NO. 1**  
**" HAULING OF DIRT WITH AN OPTION TO LOAD "**  
**BID NO. 09-022-11-04**

**BID COMPARISON**

<b>INTERNATIONAL MATERIALS</b> <b>"LOADING &amp; HAULING OF DIRT"</b>				<b>L&amp;G TRANSPORT SERVICES</b> <b>"LOADING &amp; HAULING OF DIRT"</b>				<b>Price Difference</b>
<b>Radius Miles</b>	<b>Total Cost Per Cubic Yard</b>	<b>Fuel Cost Percentage Per Cubic Yard</b>	<b>Current/Base Fuel Cost</b>	<b>Radius Miles</b>	<b>Total Cost Per Cubic Yard</b>	<b>Fuel Cost Percentage Per Cubic Yard</b>	<b>Current/Base Fuel Cost</b>	
SAMPLE	\$3.00	33.00%	\$1.00	SAMPLE	\$3.00	33.00%	\$1.00	
01-10 Mile	\$4.00	28%	\$2.60	01-10 Mile				
11-20 Mile	\$5.00	28%	\$2.60	11-20 Mile				
21-30 Mile	\$5.50	28%	\$2.60	21-30 Mile		<b>NO BID</b>		
31-40 Mile	\$6.80	28%	\$2.60	31-40 Mile				
41-50 Mile	\$8.00	28%	\$2.60	41-50 Mile				
51-60 Mile	\$8.50	28%	\$2.60	51-60 Mile				
61-70 Mile	\$10.60	28%	\$2.60	61-70 Mile				

HIDALGO COUNTY DRAINAGE DISTRICT NO. 1  
 "HAULING SERVICES FOR GRAVEL/SAND AND/OR CRUSHED CALICHE"  
 BID NO. 09-023-11-04

**BID COMPARISON**

INTERNATIONAL MATERIALS'09 "HAULING SERVICES FOR GRAVEL / SAND AND / OR GRAVEL"				ROY'S HAULING SERVICE '09 "HAULING SERVICES FOR GRAVEL / SAND AND / OR GRAVEL"				Price Difference
Radius Miles	Total Cost Per Cubic Yard	Fuel Cost Percentage Per Cubic Yard	Current/Base Fuel Cost	Radius Miles	Total Cost Per Cubic Yard	Fuel Cost Percentage Per Cubic Yard	Current/Base Fuel Cost	Price Increase
SAMPLE	\$3.00	33.00%	\$1.00	SAMPLE	\$3.00	33.00%	\$1.00	
01-10 Mile	\$3.00	25%	\$2.60	01-10 Mile	\$2.60	75.00%	\$1.95	0.40
11-20 Mile	\$4.00	25%	\$2.60	11-20 Mile	\$3.60	75.00%	\$2.70	0.40
21-30 Mile	\$4.50	25%	\$2.60	21-30 Mile	\$5.50	75.00%	\$4.13	1.00
31-40 Mile	\$5.80	25%	\$2.60	31-40 Mile	\$7.20	75.00%	\$5.40	1.40
41-50 Mile	\$7.00	25%	\$2.60	41-50 Mile	\$8.20	75.00%	\$6.15	1.20
51-60 Mile	\$7.50	25%	\$2.60	51-60 Mile	\$8.95	75.00%	\$6.71	1.45
61-70 Mile	\$9.60	25%	\$2.60	61-70 Mile	\$12.75	75.00%	\$9.56	3.15

\*THE FOLLOWING CHART IS TO COMPARE THE PRICE FORM BETWEEN THE TWO BIDDERS.  
 \*LOWEST BID SUBMITTED HIGHLIGHTED IN YELLOW

**HIDALGO COUNTY DRAINAGE DISTRICT NO. 1**  
**"HAULING SERVICES FOR GRAVEL/SAND AND/OR CRUSHED CALICHE"**  
**BID NO. 09-023-11-04**

**BID COMPARISON**

<b>L&amp;G TRANSPORT '09</b> <b>"HAULING SERVICES FOR GRAVEL / SAND</b> <b>AND / OR GRAVEL"</b>								<b>Price</b> <b>Difference</b>
<b>Radius Miles</b>	<b>Total Cost Per Cubic Yard</b>	<b>Fuel Cost Percentage Per Cubic Yard</b>	<b>Current/Base Fuel Cost</b>	<b>Radius Miles</b>	<b>Total Cost Per Cubic Yard</b>	<b>Fuel Cost Percentage Per Cubic Yard</b>	<b>Current/Base Fuel Cost</b>	
<b>SAMPLE</b>				<b>SAMPLE</b>				
01-10 Mile	\$3.50	76%	\$2.69	01-10 Mile	\$3.00	33.00%	\$1.00	
11-20 Mile	\$4.50	59%	\$2.69	11-20 Mile				
21-30 Mile	\$6.50	41%	\$2.69	21-30 Mile				
31-40 Mile	\$8.50	31%	\$2.69	31-40 Mile				
41-50 Mile	\$10.50	25%	\$2.69	41-50 Mile				
51-60 Mile	\$12.50	21%	\$2.69	51-60 Mile				
61-70 Mile	\$14.50	18%	\$2.69	61-70 Mile				

HIDALGO COUNTY DRAINAGE DISTRICT NO. 1  
 GASOLINE, ON & OFF HIGHWAY DIESEL FUEL

BID NO.: 09-024-11-04

TABULATION SHEET- USING 10/26/2009 OPIS REPORT

APPROXIMATE QUANTITIES	OIL PATCH FUEL & SUPPLY, INC	PETROLEUM TRADERS	GOLD STAR PETROLEUM INC.
<b>UNLEADED PLUS GASOLINE</b>	<b>UNIT PRICE</b>	<b>UNIT PRICE</b>	<b>UNIT PRICE</b>
OPIS PRICE	2.1748	+2.1400	2.1893
STATE TAX	00.20	+20000	0.2000
MARGIN OF PROFIT	0.021	+0889	0.0492
<b>TOTAL PRICE PER GALLON</b>	<b>2.3958</b>	2.4289	2.4385

<b>SUPER UNLEADED GASOLINE</b>	<b>UNIT PRICE</b>	<b>UNIT PRICE</b>	<b>UNIT PRICE</b>
OPIS PRICE	2.3124	2.2776	2.3152
STATE TAX	00.20	+2000	0.2000
MARGIN OF PROFIT	0.021	+0889	0.0492
<b>TOTAL PRICE PER GALLON</b>	<b>2.5334</b>	2.5665	2.5644

	UNIT PRICE	UNIT PRICE	UNIT PRICE
<b>UNLEADED GASOLINE</b>			
OPIS PRICE	2.1062	2.0714	2.1152
STATE TAX	00.20	+ .2000	0.2000
MARGIN OF PROFIT	0.021	+ .0889	0.0492
<b>TOTAL PRICE PER GALLON</b>	<b>2.3272</b>	2.3603	2.3644

**HIDALGO COUNTY DRAINAGE DISTRICT NO.1**  
**GASOLINE, ON & OFF HIGHWAY DIESEL FUEL**  
**BID NO.: 09-024-11-04**  
**TABULATION SHEET- 10/26/2009 OPIS REPORT**

APPROXIMATE QUANTITIES	OIL PATCH FUEL & SUPPLY, INC.	PETROLEUM TRADERS	GOLD STAR PETROLEUM INC.
<b>OFF HIGHWAY DIESEL FUEL</b>	<b>UNIT PRICE</b>	<b>UNIT PRICE</b>	<b>UNIT PRICE</b>
Opis Price	2.1235	2.0754	2.1518
State Tax	N/A	N/A	N/A
Margin of Profit	0.021	+ .0889	0.0492
<b>Total Price Per Gallon</b>	<b>2.1445</b>	2.1643	2.2010

<b>ON HIGHWAY DIESEL FUEL</b>	<b>UNIT PRICE</b>	<b>UNIT PRICE</b>	<b>UNIT PRICE</b>
Opis Price	2.1269	2.0709	2.1424
State Tax	00.20	+ .2000	0.2000
Margin of Profit	0.021	+ .0889	0.0492
<b>Total Price Per Gallon</b>	<b>2.3479</b>	2.3598	2.3916

**\*LOWEST BID SUBMITTED HIGHLIGHTED IN YELLOW**

**Change Order-Invoices  
DRAINAGE DISTRICT**

Date: 11/24/2009  
Submitted By: Minerva Luna, DRAINAGE DISTRICT  
Department: DRAINAGE DISTRICT

Information

CAPTION

- A. Request approval of Change Order No. 4 on the Contract with Longhorn Excavators, Inc. for the Construction of Mission Levee Improvement Project -Inspiration Rd. to Abram Rd. (3.91 miles).
- B. Request approval of Change Order No. 5 on the Contract with Ballenger Construction Company for the Construction of Mission Levee Improvement Project-Banker Weir to Inspiration Rd. (3.74 miles).
- C. Request approval of payment of Invoices to L&G Engineering for professional engineering services in relation to the following DHS Segments:
  - 1. DHS 0-4A Invoice 7542
  - 2. DHS 0-4C Invoice 7543
  - 3. DHS 0-6A Invoice 7544
  - 4. DHS 0-7A Invoice 7541
- D. Request approval to process manual checks to L&G Engineering on the above mentioned projects pending the approval of the County Auditor and pending the electronic transfer of funds from the Department of Homeland Security (DHS).

BACKGROUND

Fiscal Impact

Attachments

- Link: [Mission Levee CO#4](#)
- Link: [L&G 0-4A Inv.](#)
- Link: [L&G 0-4C Inv.](#)
- Link: [L&G 0-6A Inv.](#)
- Link: [L&G 0-7A Invoice](#)
- Link: [Banker Weir CO#5](#)

Form Routing/Status

Route Seq	Inbox	Approved By	Date	Status
1	Budget & Management	Erika Zamora	11/18/2009 02:14 PM	APRV

2	Perla Lopez	Perla Lopez	11/18/2009 02:31 PM	APRV
3	Final Approval		11/20/2009 04:27 PM	NEW

Form Started By: Minerva Luna  
Started On: 11/17/2009 02:13 PM  
Final Approval Date: 11/20/2009

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**HIDALGO County Drainage District No. 1  
MISSION LEVEE IMPROVEMENTS PROJECT  
MISSION LEVEE IMPROVEMENT PROJECT INSPIRATION RD TO ABRAM RD (STA. 194+52 TO STA. 384+00)**

**CHANGE ORDER NO. 4**

**Date:** November 2, 2009

**Contractor:** Longhorn Excavators, Inc.  
8653 FM 2759  
Richmond, Tx 77469

**Owner:** Hidalgo County Drainage District No. 1  
902 N. Doolittle Road  
Edinburg, Texas 78541

**Reference:** MISSION LEVEE IMPROVEMENTS PROJECT  
MISSION LEVEE IMPROVEMENT PROJECT  
INSPIRATION RD TO ABRAM RD (STA. 194+52 TO STA.  
384+00)

**Contract No.** 08-010-07-01  
**Dannenbaum No.** 4287-03

**Description:**

Existing pipe, headwall, and gatewell adjustments for Structures 280, 282, and 283.

**Contract Amount:**

<b>Original Contract Price:</b>	\$	4,869,979.64
Previous Change Order(s):	\$	(30,840.63)
Contract price prior to this change order:	\$	4,839,139.01
Net increase (decrease) from this change order:	\$	19,916.62
<b>Contract price with all change orders to date (including this change order):</b>	<b>\$</b>	<b><u>4,859,055.63</u></b>

**Contract Time:**

Authorized contract time change:

Previous Total	0	days
This Change Order	<u>0</u>	days
Total to Date	0	days

**APPROVALS:**

**ENGINEER:**

Dannenbaum Engineering Company - McAllen, LLC

 11/04/09  
Richard D. Seitz, P.E. Date  
Resident Project Representative

**OWNER:**


Hidalgo Co. Drainage Dist. No. 1

\_\_\_\_\_  
Rene A. Ramirez Date  
Chairman of the Board

**ACCEPTED:**

**CONTRACTOR:**

Longhorn Excavators, Inc.

 11/9/09  
John D. Parker Date

**HIDALGO COUNTY**

**NOV 10 2009**

**DRAINAGE DISTRICT #1**

**HIDALGO County Drainage District No. 1**  
**MISSION LEVEE IMPROVEMENTS PROJECT**  
**MISSION LEVEE IMPROVEMENT PROJECT INSPIRATION RD TO ABRAM RD (STA. 194+52 TO STA. 384+00)**

CHANGE ORDER NO. 4

ATTACHMENT A

TABULATION OF QUANTITY AND COST

**Date:** November 2, 2009 **Contract No.** 08-010-07-01  
**Contractor:** Longhorn Excavators, Inc. **Dannenhbaum No.** 4287-03  
 8653 FM 2759  
 Richmond, Tx 77469

**Description:**  
 Existing pipe, headwall, and gatewell adjustments for Structures 280, 282, and 283.

**COST SUMMARY**

BID ITEM NO.	DESCRIPTION	UNITS	ORIGINAL QNTYS			REVISED QNTYS			VARIANCE AMOUNT
			QNTYS	UNIT PRICE	COST	QNTYS	UNIT PRICE	COST	
34	REINF. CONC. PIPE (18 IN.) (CL V) (25% RESTOCK FEE)	LF	80.00	\$ 4.10	\$ 328.00	0.00			
35	REINF. CONC. PIPE (24 IN.) (CL V)	LF	35.00	\$ 98.72	\$ 3,455.20	78.00			
35	REINF. CONC. PIPE (24 IN.) (CL V) (25% RESTOCK FEE)	LF	16.00	\$ 6.35	\$ 101.60	0.00			
36	REINF. CONC. PIPE (30 IN.) (CL V)	LF	15.00	\$ 120.66	\$ 1,809.90	60.00			
36	REINF. CONC. PIPE (30 IN.) (CL V) (25% RESTOCK FEE)	LF	8.00	\$ 9.08	\$ 72.64	0.00			
44	EXTEND EXIST. GATEWELL, SLUICE AND LADDER	EA	7.00	\$ 19,744.20	\$ 138,209.40	8.00			
					<b>GRAND TOTAL</b>			\$	

STRAIGHT UNIT COST CHANGE ORDER, NO BACKUP CALCULATION REQUIRED.

HIDALGO COUNTY

NOV 10 2009

DRAINAGE DISTRICT #1



HIDALGO COUNTY DRAINAGE DISTRICT NO. 1  
LEVEE IMPROVEMENTS PROJECT

**CHANGE ORDER NO. 4**

ATTACHMENT B

**Date:** November 10, 2009

**Contractor:** LONGHORN EXCAVATORS, INC.      **Owner:** Hidalgo County Drainage District No. 1  
8653 FM 2759  
Richmond, Texas 77469  
902 N. Doolittle Road  
Edinburg, Texas 78541

**Reference:** MISSION LEVEE IMPROVEMENTS PROJECT  
INSPIRATION RD TO ABRAM RD  
(STA. 194+52 TO STA. 384+00)

**Contract No.** 08-010-07-01  
**Dannenbaum No.** 4287-03

**ENGINEER'S EXPLANATION**

DESCRIPTION OF CHANGE

Revise reinforced concrete pipe length on Structures 280, 282, and 283 to extend to proposed levee toe.

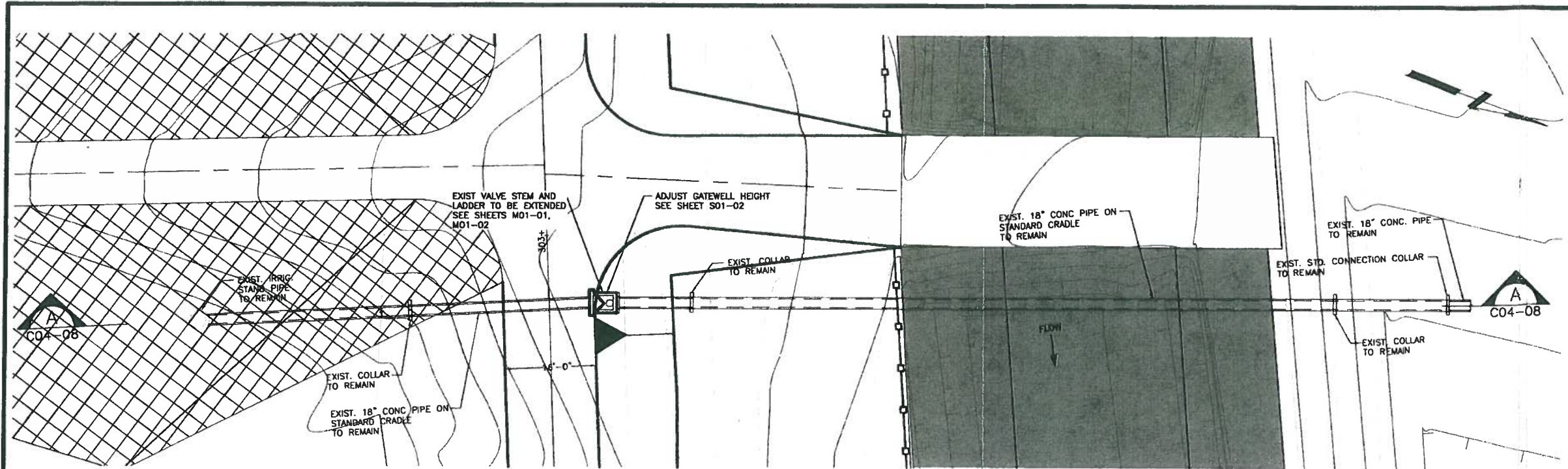
JUSTIFICATION FOR CHANGE

Contractor employed a subcontractor to conduct structural work (extending outfall pipe, removing existing headwall, constructing headwalls, adjusting and/or reconstructing existing gatewells) prior to the Contractor performing the levee improvements. Contractor's subcontractor did not construct outfall locations per plan resulting in levee side slopes steeper than the specified 3:1. This was discovered during Engineer's quality assurance inspection of the project. Contractor previously informed the Engineer there was an excess of pipe material and the pipe material was sent back the supplier, thus resulting in a 25% restock fee. This change order returns the restock fee to the Owner and pays the Contractor for the original issued for bid pipe quantities. Contractor is relocating the headwalls and extending the pipe at his cost.

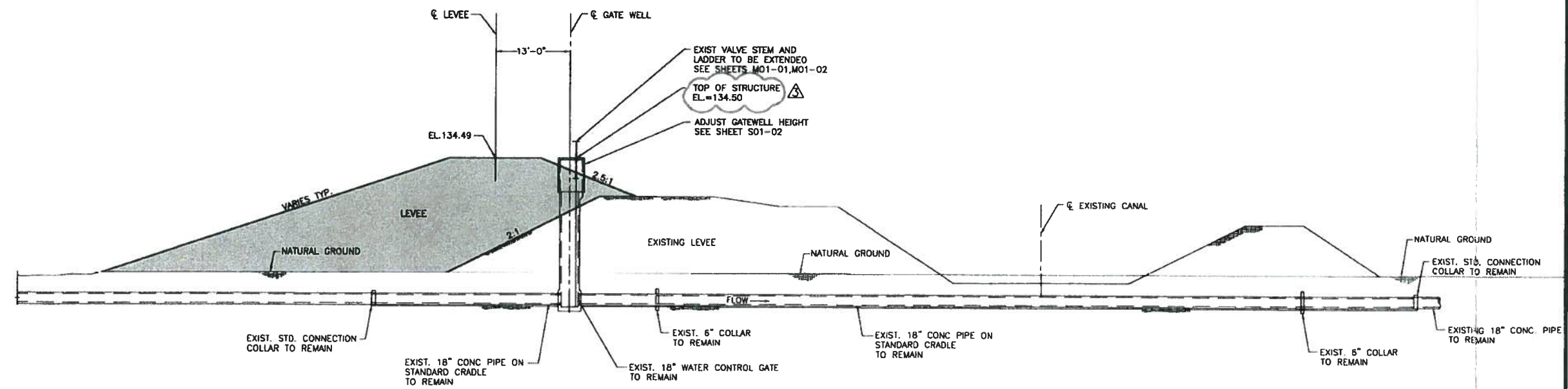
USIBWC requested that the height of Gatewell No. 278 be raised. The cost to perform this gatewell adjustment is included as part of this change order.

ENGINEER'S JUSTIFICATION OF COST

Straight unit cost change order, no backup calculations required.



**PLAN**  
**IRRIGATION STRUCTURE No. 278**  
 SCALE: 1"=10'



**SECTION "A-A"**  
 SCALE: 1"=10'

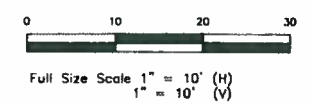
Rev. No.	Description	Chk. By:	Date
B	ISSUED FOR CONSTRUCTION	R.S.	07-24-08
A	REVISION No. 1	R.S.	08-22-08
A	REVISION No. 2	R.S.	09-05-08
	(REPLACE IN ITS ENTIRETY)		
A	ADJUST GATEWELL HEIGHT	R.S.	05-27-09

- LEGEND**
- PROPOSED SEDIMENT CONTROL FENCE
  - ⊕ EXISTING GEOTECHNICAL BORE
  - EXISTING OVERHEAD POWERLINE
  - ▨ EXISTING LEVEE RIP-RAP
  - ▩ PROPOSED LEVEE ACCESS DRIVE EMBANKMENT
  - ⊣ PROPOSED GATE
  - ▭ EXISTING IRRIGATION CANAL
  - - - EXISTING MAINTENANCE ROAD

- NOTE:**
- WHERE R.O.W. IS LESS THAN 15 FEET FROM TOE OF PROPOSED LEVEE, SEDIMENT CONTROL FENCE SHALL BE PLACED AT R.O.W. LIMITS.
  - WSE= WATER SURFACE ELEVATION
  - F.G. = FINISHED GRADE
  - R.O.W. LEVEE SHOWN WHERE IT LIES WITHIN PLAN VIEW.



Omar Anzaldo, Jr.  
 Licensed Professional Engineer # 97249  
 5-23-09



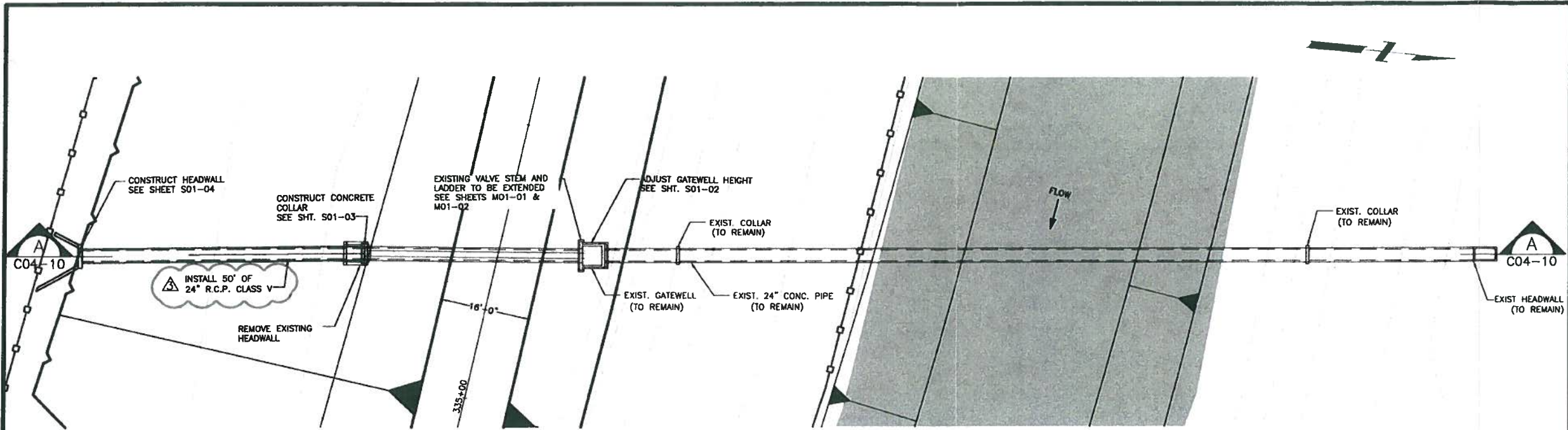
Project: MISSION LEVEE IMPROVEMENTS  
 PROJECT INSPIRATION ROAD TO ABRAM ROAD (F.M. 1427)  
 194+48 - 384+00

Sheet Title:  
 LEVEE GATEWELL STRUCTURE No. 278  
 PLAN AND SECTION VIEW  
 STA. 302+87.80

**DANNENBAUM**  
 ENGINEERING COMPANY-McALLEN, LLC  
 1109 Nolana Loop, Suite 208 McAllen, TX 78504 (956) 682-3677

Date: May 27, 2009	Drawn By: H.R.V.
Designed By: O.A.	Checked By: O.A./A.C.F.
Project No.: 4287-02	Sheet: C04-08

C:\154014287-02\REVISED\STRUCTURE 278.dwg  
 User: O.A. Date: 11/13/09



PLAN  
DRAINAGE STRUCTURE No. 280  
SCALE: 1"=10'

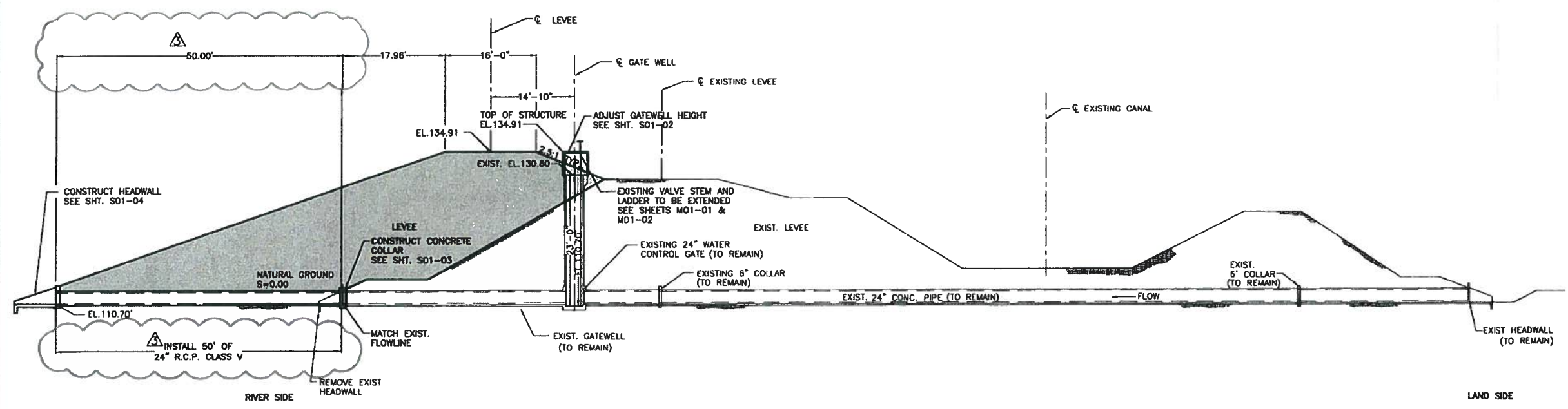
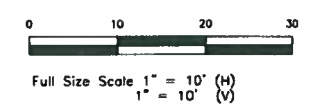
Rev. No.	Description	Chk. By:	Date
B	ISSUED FOR CONSTRUCTION	R.S.	07-24-08
▲	REVISION No. 1	R.S.	08-22-08
▲	REVISION No. 2	R.S.	09-05-08
▲	REVISED AS NOTED	R.S.	10-14-09

**LEGEND**

	PROPOSED SEDIMENT CONTROL FENCE
	EXISTING GEOTECHNICAL BORE
	EXISTING OVERHEAD POWERLINE
	EXISTING LEVEE RIP-RAP
	PROPOSED LEVEE ACCESS DRIVE EMBANKMENT
	PROPOSED GATE
	EXISTING IRRIGATION CANAL
	EXISTING MAINTENANCE ROAD

- NOTE:**
- WHERE R.O.W. IS LESS THAN 15 FEET FROM TOE OF PROPOSED LEVEE, SEDIMENT CONTROL FENCE SHALL BE PLACED AT R.O.W. LIMITS.
  - WSE= WATER SURFACE ELEVATION
  - F.G. = FINISHED GRADE
  - R.O.W. LEVEE SHOWN WHERE IT LIES WITHIN PLAN VIEW.

*Amir Anzaldue*  
 Amir Anzaldue, Jr.  
 Licensed Professional Engineer # 93249  
 10/14/09



SECTION "A-A"  
SCALE: 1"=10'

Project: MISSION LEVEE IMPROVEMENTS  
 PROJECT INSPIRATION ROAD TO ABRAM ROAD (F.M. 1427)  
 194+48 - 384+00

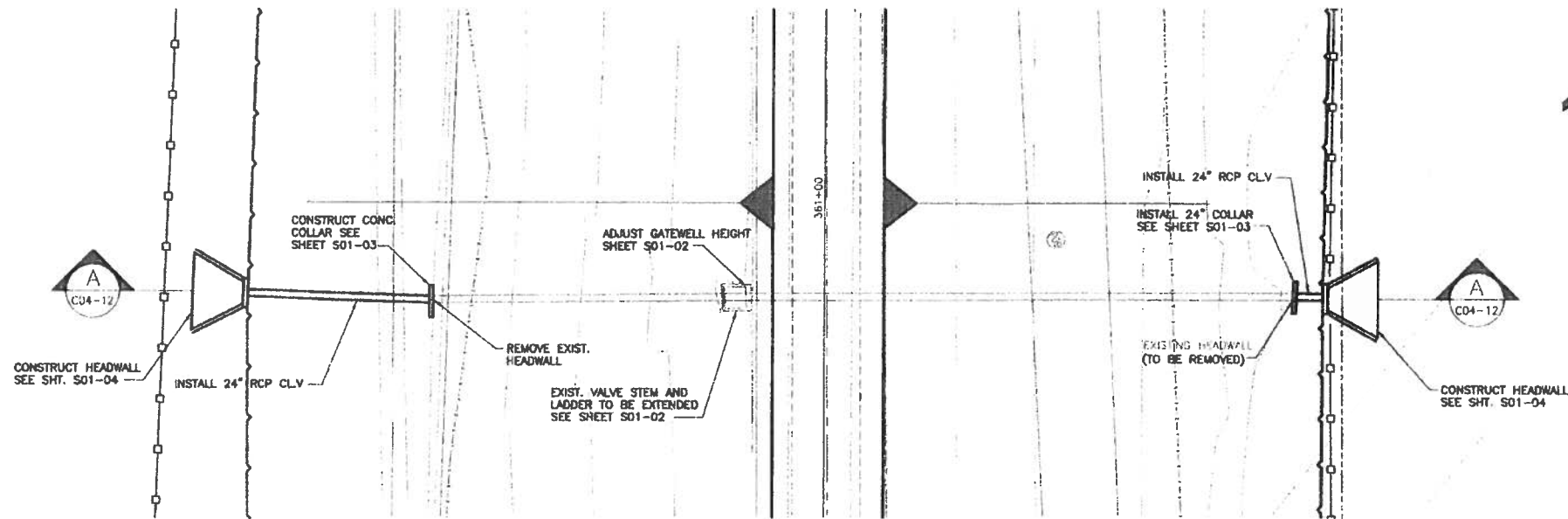
Sheet Title:  
 LEVEE GATEWELL STRUCTURE No. 280  
 PLAN AND SECTION VIEW  
 STA. 335+29.90

**DANNENBAUM**  
 ENGINEERING COMPANY-McALLEN, LLC  
 1109 Nolana Loop, Suite 208 McAllen, TX 78504 (956) 682-3677


Date: Oct 14, 2009	Drawn By: H.R.V.
Designed By: O.A.	Checked By: O.A./A.C.F.
Project No.: 4287-02	Sheet: C04-10

C:\Users\4287-021\My Documents\DWG\03 STRUCTURE 280.dwg

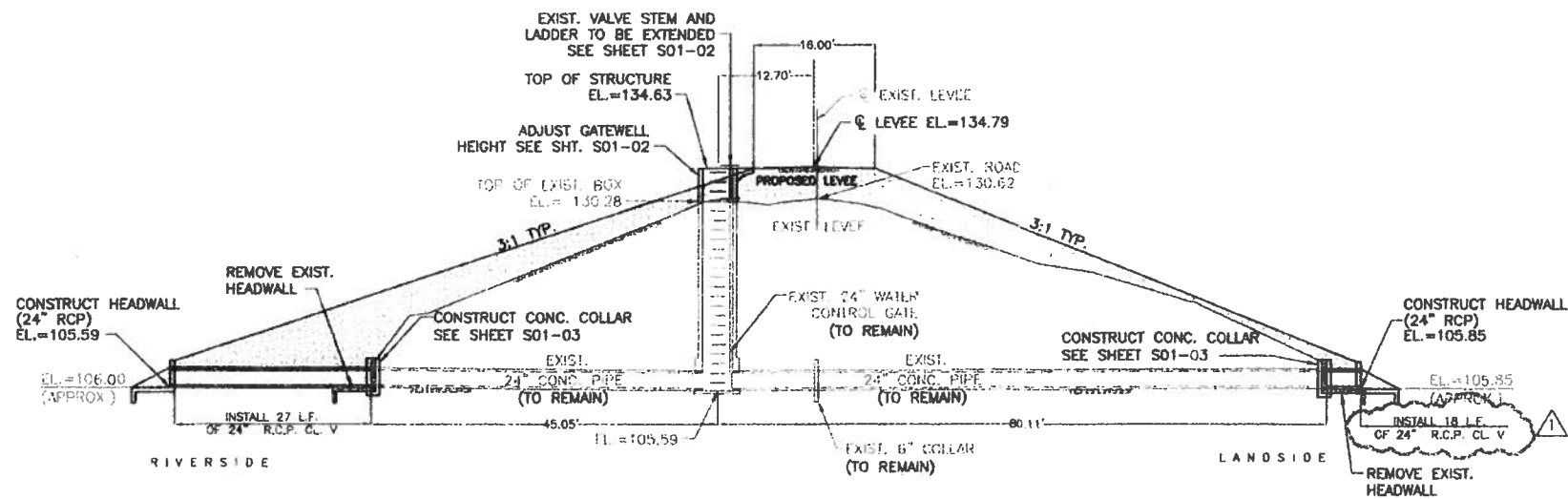
REV. No.	DESCRIPTION	CHK. BY:	DATE
B	ISSUED FOR CONSTRUCTION	H.G.	07-24-08
A	24" R.C.P. ADJUSTMENT	H.G.	10-14-09



PLAN  
DRAINAGE STRUCTURE No. 282, 24" R.C.P.  
SCALE: N.T.S.

  
 Jose G. Reyes, Jr.  
 Licensed Professional Engineer # 93827  
 OCT-14-2009


SCALE: N.T.S.



SECTION "A-A"  
SCALE: N.T.S.

NOTE:

- EXIST. GATE WELL STRUCTURE AND SLUICE VALVE TO BE ADJUSTED.
- EXIST. HEADWALL(2) TO BE REMOVED.


 MISSION LEVEL IMPROVEMENTS  
 PROJECT INSPIRATION  
 ROAD TO ABRAM ROAD  
 (F.M. 1427)  
 194+52 - 384+00

Sheet File

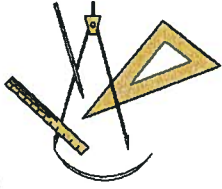
LEVEE GATEWELL  
STRUCTURE No. 282  
STA. 360+86

**DL, INC.**  
DOS LOGISTICS, INC.

212 W. 3rd. Street Phone: (956) 968-8800  
Westaco, Tx. 78596 Fax: (956) 447-8194

**DANNENBAUM**  
ENGINEERING COMPANY-MCALLEN, LLC  
1109 Nolana Loop, Suite 208 McAllen, TX 78504 (956) 682-3677

Date	OCT. 14, 2009	Drawn By:	E.B., J.M., R.C., J.N.
Designed By:	H.P.G.	Checked By:	H.P.G.
Project No.	4267-02	Sheet	C04-12



# L & G Engineering Laboratory, LLC Invoice

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

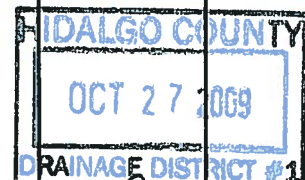
Date	10/26/2009
Invoice #	7542

<b>Bill To</b>
Hidalgo County Drainage District #1 Mr. Godfrey Garza 902 N. Dolittle Edinburg, Texas 78541

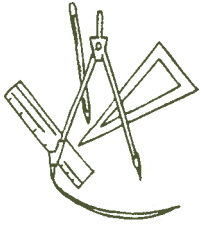
<b>Ship To</b>
USIBWC Mission Levee Impvt Proeject Wk Auth #32 DHS Segment 0-4A (Sta. 383+50 to Sta. 587+73) Contract Amt. \$1,006,021.06 P.O. #612396

<b>P.O. No.</b>	<b>Due Date</b>
612396	11/10/2009

Item	Description	Contract Amt	Prior Amt	Curr %	Total %	Amount
330	Construction Material Testing  ~~~~~ CHANGE ORDER ~~~~~ February 4, 2009 > Decreased price of 330 from \$1,007,710.68 to \$1,006,021.02. (-\$1,689.66) Total change to estimate -\$1,689.66  ~~~~~ CHANGE ORDER ~~~~~ February 18, 2009 > Increased price of 330 from \$1,006,021.02 to \$1,006,021.06. (+\$0.04) Total change to estimate +\$0.04  ~~~~~	1,006,021.06	995,948.60	0.50%	99.50%	5,030.11



L&G appreciates the opportunity to serve your Geotechnical & Construction Material Testing needs.	<b>Total</b>	<i>Amc</i> \$5,030.11
	<b>Payments/Credits</b>	\$0.00
	<b>Balance Due</b>	\$5,030.11



# L&G Engineering Laboratory

Construction Material Testing  
Geotechnical Engineering

October 28, 2009

Mr. Godfrey Garza  
Hidalgo County Drainage District  
902 N. Doolittle  
Edinburg, Texas 78541

Re: **USIBWC Mission Levee Improvement Project DHS Seg. 0-4A – WA #32**  
**(Sta. 383+50 to Sta. 587+73).**  
**Construction Material Testing**

Dear Mr. Garza:

Attached for your approval is our invoice for the month of October 2009. The following is attached:

- L & G's Invoice
- Test Reports (R1772-R1799)

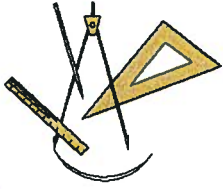
FC 330 – FOUNDATION MATERIALS TESTING		% Complete
<p><b><u>Segment 4A (WA#32)</u></b> This project is ongoing. The testing frequencies are based on the progress of the contractor. All testing is being performed in accordance with the applicable project specifications. Concrete testing for the retaining wall is near completion, pending completion of irrigation structures. Compaction and moisture testing for the backfill behind the retaining wall is ongoing in these areas as well. Base material testing for compaction, moisture, and thickness is near completion.</p>	L&G	99.5%

If you have any questions or require additional information, please call.

Sincerely,

Rene Casares, E.I.T.  
Project Supervisor





# L & G Engineering Laboratory, LLC Invoice

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

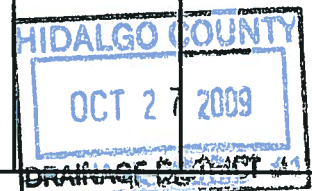
Date	10/26/2009
Invoice #	7543

<b>Bill To</b>
Hidalgo County Drainage District #1 Mr. Godfrey Garza 902 N. Dolittle Edinburg, Texas 78541

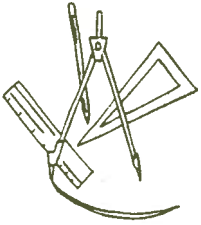
<b>Ship To</b>
USIBWC Mission Levee Impvmt Proejct Wk Auth #33 DHS Segment 0-4C (Sta. 593+60 to Sta. 616+50) Construction Material Testing Contract Amt. \$168,283.11

P.O. No.	Due Date
612395	11/10/2009

Item	Description	Contract Amt	Prior Amt	Curr %	Total %	Amount
330	Construction Material Testing  ~~~~~ CHANGE ORDER ~~~~~ February 4, 2009 > Increased price of 330 from \$166,820.81 to \$168,050.68. (+\$1,229.87) Total change to estimate +\$1,229.87  ~~~~~ CHANGE ORDER ~~~~~ February 18, 2009 > Increased price of 330 from \$168,050.68 to \$168,283.11. (+\$232.43) Total change to estimate +\$232.43  ~~~~~	168,283.11	151,451.69	5.00%	95.00%	8,414.16



L&G appreciates the opportunity to serve your Geotechnical & Construction Material Testing needs.	<b>Total</b>	\$8,414.16
	<b>Payments/Credits</b>	\$0.00
	<b>Balance Due</b>	\$8,414.16



# L&G Engineering Laboratory

Construction Material Testing  
Geotechnical Engineering

October 28, 2009

Mr. Godfrey Garza  
Hidalgo County Drainage District  
902 N. Doolittle Rd.  
Edinburg, Texas 78541

**Re: USIBWC Mission Levee Improvement Project DHS Seg. 0-4C – WA #33**  
**(Sta. 593+60 to Sta. 616+50).**  
**Construction Material Testing**

Dear Mr. Garza:

Attached for your approval is our invoice for the month of October 2009. The following is attached:

- L & G's Invoice
- Test Reports (R266 – R300)

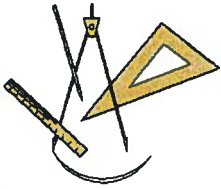
FC 330 – FOUNDATION MATERIALS TESTING		% Complete
<p><b><u>Segment 4C (WA#33)</u></b> This project is ongoing. The testing frequencies are based on the progress of the contractor. All testing is being performed in accordance with the applicable project specifications. Concrete testing for the retaining wall section at the west most end of the project near Military Road is nearly complete. Compaction and moisture testing for the backfill behind the retaining wall is ongoing in this area as well. Base material testing has commenced in several areas along the riverside service road and atop the levee.</p>	L&G	95%

If you have any questions or require additional information, please call.

Sincerely,

Rene Casares, E.I.T.  
Project Supervisor





# L & G Engineering Laboratory, LLC Invoice

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

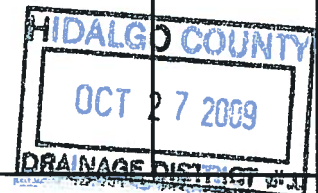
Date	10/26/2009
Invoice #	7544

<b>Bill To</b>
Hidalgo County Drainage District #1 Mr. Godfrey Garza 902 N. Dolittle Edinburg, Texas 78541

<b>Ship To</b>
USIBWC Hidalgo Protection Levee Impvt Wk Auth # 35 DHS Segment 0-6A (Sta. 0+00 to Sta. 137+14.92) Construction Material Testing Contract Amt. \$719,909.68

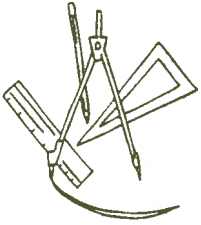
P.O. No.	Due Date
612289	11/10/2009

Item	Description	Contract Amt	Prior Amt	Curr %	Total %	Amount
330	Construction Material Testing	719,909.68	712,710.59	0.50%	99.50%	3,599.55



L&G appreciates the opportunity to serve your Geotechnical & Construction Material Testing needs.

<b>Total</b>	\$3,599.55
<b>Payments/Credits</b>	\$0.00
<b>Balance Due</b>	\$3,599.55



# L&G Engineering Laboratory

Construction Material Testing  
Geotechnical Engineering

October 28, 2009

Mr. Godfrey Garza  
Hidalgo County Drainage District  
902 N. Doolittle  
Edinburg, Texas 78541

**Re: USIBWC Hidalgo Protection Levee Improvement Project DHS Seg. 0-6A – WA #35**  
**(Sta. 0+00 to Sta. 137+14.92).**  
**Construction Material Testing**

Dear Mr. Garza:

Attached for your approval is our invoice for the month of October 2009. The following is attached:

- L & G's Invoice
- Test Reports (R1605-R1643)

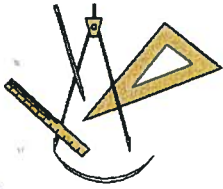
FC 330 – FOUNDATION MATERIALS TESTING		% Complete
<p><b><u>Segment 6A (WA#35)</u></b>            This project is ongoing. The testing frequencies are based on the progress of the contractor. All testing is being performed in accordance with the applicable project specifications. Construction and concrete testing for the retaining wall structure is near completion, pending the south extensions to the project. Compaction and moisture testing for the backfill and caliche base is complete in all areas except on the south extensions.</p>	L&G	99.5%

If you have any questions or require additional information, please call.

Sincerely,

Rene Casares, E.I.T.  
Project Supervisor





# L & G Engineering Laboratory, LLC Invoice

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

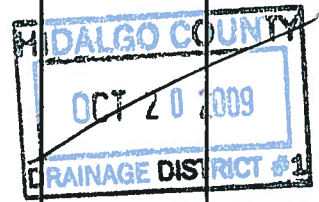
Date	10/20/2009
Invoice #	7541

<b>Bill To</b>
Hidalgo County Drainage District #1 Mr. Godfrey Garza 902 N. Dolittle Edinburg, Texas 78541

<b>Ship To</b>
Environmental Site Assessment for Donna Canal Hidalgo County, Texas WA #43 Contract Amt. \$60,000

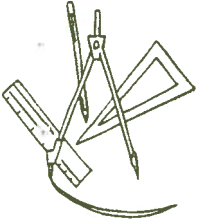
P.O. No.	Due Date
614386	11/10/2009

Item	Description	Contract Amt	Prior Amt	Curr %	Total %	Amount
FC 120 Envir... 10209 Subcontractor	Environmental Site Assessment Foundation Mtls. Testing Sub contractor	28,000.00 1,500.00 30,500.00	7,000.00  4,575.00	75.00% 100.00% 85.00%	100.00% 100.00% 100.00%	21,000.00 1,500.00 25,925.00
	~~~~~ CHANGE ORDER ~~~~~ September 25, 2009 > Increased price of FC 120 Environmental from \$26,500.00 to \$28,000.00. (+\$1,500.00) > Increased price of Subcontractor from \$27,000.00 to \$30,500.00. (+\$3,500.00) Total change to estimate +\$5,000.00 ~~~~~					



*Garza*

L&G Engineering Laboratory appreciates the opportunity to serve your material testing needs.	<b>Total</b>	\$48,425.00
	<b>Payments/Credits</b>	\$0.00
	<b>Balance Due</b>	\$48,425.00



# L&G Engineering Laboratory

Construction Material Testing  
Geotechnical Engineering

October 20, 2009

Mr. Godfrey Garza  
Hidalgo County Drainage District  
902 N. Doolittle  
Edinburg, Texas 78541

**Re: HCDD #1 Environmental Site Assessment Testing-Donna Canal-WA #43**

Dear Mr. Garza:

Attached for your approval is our invoice for the month of October 2009. The following is attached:

- L & G's Invoice
- 4 sets of the Deliverables

<b>FC 120 – ENVIRONMENTAL SITE ASSESSMENT</b>		<b>% Complete</b>
L&G coordinated, managed and oversaw the field work on October 21 <sup>st</sup> -23 <sup>rd</sup> and the 28 <sup>th</sup> for this project as outlined in the work plan. L&G reviewed the lab results and the report and coordinated with DHS to ensure that all tests were completed. L&G also managed and oversaw the development of the report and delivered 4 sets to the client on October 20, 2009. This task is complete.	L&G	100%
<b>FC 10209 – FOUNDATION MATERIALS TESTING STUDIES</b>		<b>% Complete</b>
L&G completed the entire field testing on October 28 <sup>th</sup> . This task is complete.	L&G	100%
<b>SUB-CONTRACTOR</b>		<b>% Complete</b>
The sub consultant conducted the field work and took the necessary sampling and coordinated with the lab to obtain the test results. They also assisted in developing the final report. This task is complete.	L&G	100%

If you have any questions or require additional information, please call.

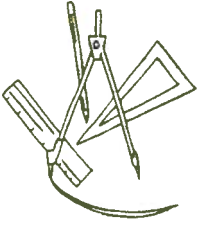
Sincerely,



Velma N. Garcia  
Project Manager

Attachments





# L&G Engineering Laboratory

Construction Material Testing  
Geotechnical Engineering

October 20, 2009

Mr. Godfrey Garza  
Hidalgo County Drainage District No. 1  
902 N. Doolittle Road  
Edinburg, Texas 78541


**RE: Environmental Site Assessment for Donna Canal, Hidalgo County, Texas - WA #43**

Dear Mr. Garza:

L&G Engineering Laboratory, LLC has finalized all the environmental site assessment and construction material testing required for the USIBWC Levee Improvements Project. Contained in this package are binders with all of our environmental studies generated throughout the duration of the project. L&G will not be requesting supplementary change orders for additions or modifications to the original plans, specifications, and estimates that have been executed. This project is complete and a final invoice is included herein. This submittal shall serve as our final deliverable for the project.

If you have any questions or comments please feel free to contact me at 956-565-9813. Thank you for your time and cooperation. We hope that we have filled all of your construction material testing needs, and we look forward to working with you again in the near future.

Respectfully Submitted,  
L&G Engineering Laboratory, LLC



Velma Garcia  
Environmental Project Manager

Attachments



AMBIOTEC ENVIRONMENTAL CONSULTANTS, INC.  
1101 East Harrison Avenue  
Harlingen, Texas 78550  
956-423-7807 fax 956-423-7905

**FINAL WAIVER AND LIEN RELEASE**

DATE: 10/27/2009  
PROJECT: Donna Canal Environmental Assessment  
OWNER: L&G Engineering Laboratory LLC  
FINAL PAYMENT: \$26,700.00

UPON RECEIPT OF THIS PAYMENT, Owner does hereby certify and acknowledge that Subcontractor has been fully paid for all work and labor done by Owner and for all materials and services supplied by Subcontractor on the above project and that this payment, which includes all retainage released to the Subcontractor, represents the FINAL AND COMPLETE payment for work and/or labor done and all materials and services supplied on the above described project.

The undersigned hereby further certifies: There are no known mechanics, materialmen's, or laborer's liens or claims or any other liens or claims, legal or equitable, contractual, statutory, or constitutional, outstanding or known to exist as of the date referenced above and if any should arise in the future, the undersigned agrees to indemnify and hold the Owner harmless from any and all such liens or claims, including attorney's fees and expenses; all due and payable bills with respect to the real property referenced above have been paid to date or are included in the amount requested in the current application and will be paid from this payment, and there is no known basis for the filing of any mechanics', materialman's, or laborer's lien or claim, or any other lien or claim, legal or equitable, contractual, statutory, or constitutional, on the real property referenced above. Subcontractor certifies that all waivers and releases from all laborers, and material men for work done and materials furnished have been obtained in such form as to constitute an effective waiver and release of all such liens under the Laws of the State of Texas.

SUBCONTRACTOR SWEARS THAT, WITH RECEIPT OF THE PAYMENT ASSOCIATED WITH THIS LIEN RELEASE, ALL OUTSTANDING BILLS ASSOCIATED WITH THIS LIEN RELEASE WILL BE PAID AT THIS TIME. FURTHER, SUBCONTRACTOR ACKNOWLEDGES THAT ALL FUNDS RECEIVED, TO THE APPROPRIATE AMOUNT, ARE RECEIVED IN TRUST FOR ALL SUBCONTRACTORS/SUPPLIERS THAT ARE OWED FUNDS BY HIM ON THIS PROJECT. SUBCONTRACTOR AGREES TO INDEMNIFY ANY PARTY RELYING UPON THIS AFFIDAVIT FOR ANY LOSS OR EXPENSE RESULTING FROM FALSE OR INCORRECT STATEMENTS IN THIS AFFIDAVIT.

UPON RECEIPT OF THIS PAYMENT, Subcontractor hereby releases in full all claims and liens Subcontractor has heretofore filed, if any, on such property for such work and/or material. Subcontractor hereby waives all rights, claims and liens on this project forever for such work done and all materials supplied by Subcontractor.

AMBIOTEC ENVIRONMENTAL CONSULTANTS, INC.

Marc Haws  
Signature

10/28/09  
Date

Printed Name/Title Marc Haws/ Vice-President

STATE OF TEXAS  
COUNTY OF CAMERON

KNOW ALL MEN BY THESE PRESENTS:

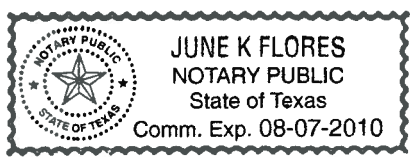


Before me, the undersigned authority, on this day personally appeared Marc Haws the Vice-President (title) of Ambiotec Env. Con., known to me to be the person and officer whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purposes therein expressed and in the capacity therein stated.

June K. Flores

NOTARY PUBLIC in and for  
THE STATE OF TEXAS

Printed Name: June K. Flores  
My Commission Expires: 08/07/2010



L&G ENGINEERING LABORATORY LLC  
2100 W. Expressway 83  
Mercedes, TX 78570  
956-565-0760 fax 956-565-6746

**FINAL WAIVER AND LIEN RELEASE**

DATE: 10/20/09  
PROJECT: WA #43 Environmental Site Assessments for Donna Canal, Hidalgo County, Texas  
OWNER: HCDD #1  
FINAL PAYMENT: \$48,425.00

UPON RECEIPT OF THIS PAYMENT, Owner does hereby certify and acknowledge that Contractor has been fully paid for all work and labor done by Owner and for all materials and services supplied by Contractor on the above project and that this payment, which includes all retainage released to the Contractor, represents the FINAL AND COMPLETE payment for work and/or labor done and all materials and services supplied on the above described project.

The undersigned hereby further certifies: There are no known mechanics, materialmen's, or laborer's liens or claims or any other liens or claims, legal or equitable, contractual, statutory, or constitutional, outstanding or known to exist as of the date referenced above and if any should arise in the future, the undersigned agrees to indemnify and hold the Owner and Contractor harmless from any and all such liens or claims, including attorney's fees and expenses; all due and payable bills with respect to the real property referenced above have been paid to date or are included in the amount requested in the current application and will be paid from this payment, and there is no known basis for the filing of any mechanics', materialman's, or laborer's lien or claim, or any other lien or claim, legal or equitable, contractual, statutory, or constitutional, on the real property referenced above. Contractor certifies that all waivers and releases from all Subcontractors, laborers, and material men for work done and materials furnished have been obtained in such form as to constitute an effective waiver and release of all such liens under the Laws of the State of Texas.

CONTRACTOR SWEARS THAT, WITH RECEIPT OF THE PAYMENT ASSOCIATED WITH THIS LIEN RELEASE, ALL OUTSTANDING BILLS ASSOCIATED WITH THIS LIEN RELEASE WILL BE PAID AT THIS TIME. FURTHER, CONTRACTOR ACKNOWLEDGES THAT ALL FUNDS RECEIVED, TO THE APPROPRIATE AMOUNT, ARE RECEIVED IN TRUST FOR ALL SUBCONTRACTORS/SUPPLIERS THAT ARE OWED FUNDS BY HIM ON THIS PROJECT. CONTRACTOR AGREES TO INDEMNIFY ANY PARTY RELYING UPON THIS AFFIDAVIT FOR ANY LOSS OR EXPENSE RESULTING FROM FALSE OR INCORRECT STATEMENTS IN THIS AFFIDAVIT.

UPON RECEIPT OF THIS PAYMENT, Contractor hereby releases in full all claims and liens Contractor has heretofore filed, if any, on such property for such work and/or material. Contractor hereby waives all rights, claims and liens on this project forever for such work done and all materials supplied by Contractor.

L&G ENGINEERING LABORATORY, LLC

Marisela G. Maein  
Signature

10/28/09  
Date

Printed Name/Title Marisela G. Maein Sec/Exec

STATE OF TEXAS

KNOW ALL MEN BY THESE PRESENTS:



COUNTY OF HIDALGO

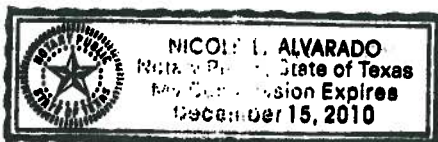
Before me, the undersigned authority, on this day personally appeared Marisela G. Maein the Sec/Exec (title) of L&G Engineering Lab, known to me to be the person and officer whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purposes therein expressed and in the capacity therein stated.

[Signature]

NOTARY PUBLIC in and for  
THE STATE OF TEXAS

Printed Name: Nicole C. Alvarado

My Commission Expires: 12/15/10



**HIDALGO County Drainage District No. 1  
MISSION LEVEE IMPROVEMENTS PROJECT  
BANKER WEIR TO INSPIRATION (3.74 MILES)**

**CHANGE ORDER NO. 5**

**Date:** November 2, 2009

**Contractor:** Ballenger Construction Company  
24200 North FM 509  
Harlingen, Texas 78550

**Owner:** Hidalgo County Drainage District No. 1  
902 N. Doolittle Road  
Edinburg, Texas 78541

**Reference:** MISSION LEVEE IMPROVEMENTS PROJECT  
BANKER WEIR TO INSPIRATION (3.74 MILES)

**Contract No.** 08-005-04-29  
**Dannenbaum No.** 4287-03

**Description:**  
Install additional 4" underdrain pipe with inlet box and splash pad.

**Contract Amount:**

<b>Original Contract Price:</b>	\$	<b>6,351,808.19</b>
Previous Change Order(s):	\$	(2,665.48)
Contract price prior to this change order:	\$	<b>6,349,142.71</b>
Net increase (decrease) from this change order:	\$	1,294.09
<b>Contract price with all change orders to date (including this change order):</b>	\$	<b><u>6,350,436.80</u></b>

**Contract Time:**

Authorized contract time change:	
This Change Order	0 days
Previous Total	<u>0 days</u>
Total to Date	0 days

**APPROVALS:**

**ENGINEER:**

Dannenbaum Engineering Company - McAllen, LLC

 11/06/09  
Richard D. Seitz, P.E. Date  
Resident Project Representative

**OWNER:**


Hidalgo Co. Drainage Dist. No. 1

\_\_\_\_\_  
Rene Ramirez Date  
Chairman of the Board

**ACCEPTED:**

**CONTRACTOR:**

Ballenger Construction Company

 11/11/09  
Joe C. Ballenger Jr. Date  
President

**HIDALGO COUNTY**

**NOV 12 2009**

**DRAINAGE DISTRICT #1**





**Labor Cost**

Name	Hours	Rate	Hrs. X Rate X 1.16 Cost w/Burden	Cost X 0.25 Profit	Cost X 0.55 Burden	Cost + Profit + Burden Total
Backhoe Operator	4	\$ 11.00	\$ 51.04	\$ 12.76	\$ 28.07	\$ 91.87
Common Laborer	4	\$ 8.00	\$ 37.12	\$ 9.28	\$ 20.42	\$ 66.82
Utility Laborer	4	\$ 9.05	\$ 41.99	\$ 10.50	\$ 23.10	\$ 75.59
Foreman	4	\$ 21.50	\$ 99.76	\$ 24.94	\$ 54.87	\$ 179.57

**Materials**

Description	Unit	Qty.	Unit Cost	Unit Cost X Qty. Cost	Cost X 0.25 Profit	Cost + Profit Total Cost
2' x 2' Concrete Pad	EA	1	\$ 100.00	\$ 100.00	\$ 25.00	\$ 125.00
INLET BOX	EA	1	\$ 65.00	\$ 65.00	\$ 16.25	\$ 81.25
4" PVC UNDERDRAIN PIPE	LF	100	\$ 3.00	\$ 300.00	\$ 75.00	\$ 375.00

**Equipment**

Description	Hours	Rate	Rate X Hours Cost	Cost X 0.15 Profit	Cost + Profit Total Cost
Crew Truck	4	\$ 30.00	\$ 120.00	\$ 18.00	\$ 138.00
Backhoe	4	\$ 35.00	\$ 140.00	\$ 21.00	\$ 161.00

**Subcontractor**

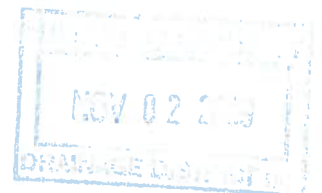
Subcontractor	Item of Work	Unit	Qty.	Unit Cost	Unit Cost X Qty. Cost	Cost X 0.05 Profit	Cost + Profit Total Cost
Sunbelt	Haul Gravel	LOAD		\$ 95.76	\$ -	\$ -	\$ -
Sunbelt	Haul Sand	LOAD		\$ 95.76	\$ -	\$ -	\$ -
Sunbelt	Haul Rock	LOAD		\$ 96.00	\$ -	\$ -	\$ -

Labor	\$ 413.84
Materials	\$ 581.25
Equipment	\$ 299.00
Subs	\$ -
REMOBILIZATION FEE	
<b>Grand Total</b>	<b>\$ 1,294.09</b>
Qty (LF)	250
<b>Cost / LF</b>	<b>\$ 5.18</b>
<b>TIME</b>	
1 DAYS TO INSTALL	

HIDALGO COUNTY

NOV 12 2009

DRAINAGE DISTRICT #1



HIDALGO COUNTY DRAINAGE DISTRICT NO. 1  
LEVEE IMPROVEMENTS PROJECT

**CHANGE ORDER NO. 5**

ATTACHMENT B

**Date:** November 12, 2009

**Contractor:** BALLENGER CONSTRUCTION  
CO.  
24200 North FM 509  
Harlingen, Texas 78550

**Owner:** Hidalgo County Drainage District No. 1  
902 N. Doolittle Road  
Edinburg, Texas 78541

**Reference:** MISSION LEVEE IMPROVEMENTS  
PROJECT  
BANKER WEIR TO INSPIRATION  
RD (3.74 MILES)

**Contract No.** 08-005-04-29

**Dannenbaum No.** 4287-03

**ENGINEER'S EXPLANATION**

DESCRIPTION OF CHANGE

Install additional 4" underdrain pipe with inlet box and splash pad.

JUSTIFICATION FOR CHANGE

Change Order No. 1 was generated at the request of the Texas Historic Commission (THC) to install an underdrain system to provide protection to La Lomita. Original scope of work required Contractor to take out a portion of the ramp leading to the entrance of La Lomita, install the underdrain pipe and then place ramp back to its original condition. At the request of Texas Historical Commission (THC), Contractor was asked to place underdrain pipe around rather than thru the ramp, so that entrance ramp to La Lomita could remain undisturbed. This change order is being generated to pay Contractor for cost of additional materials and labor required to fulfill this request.

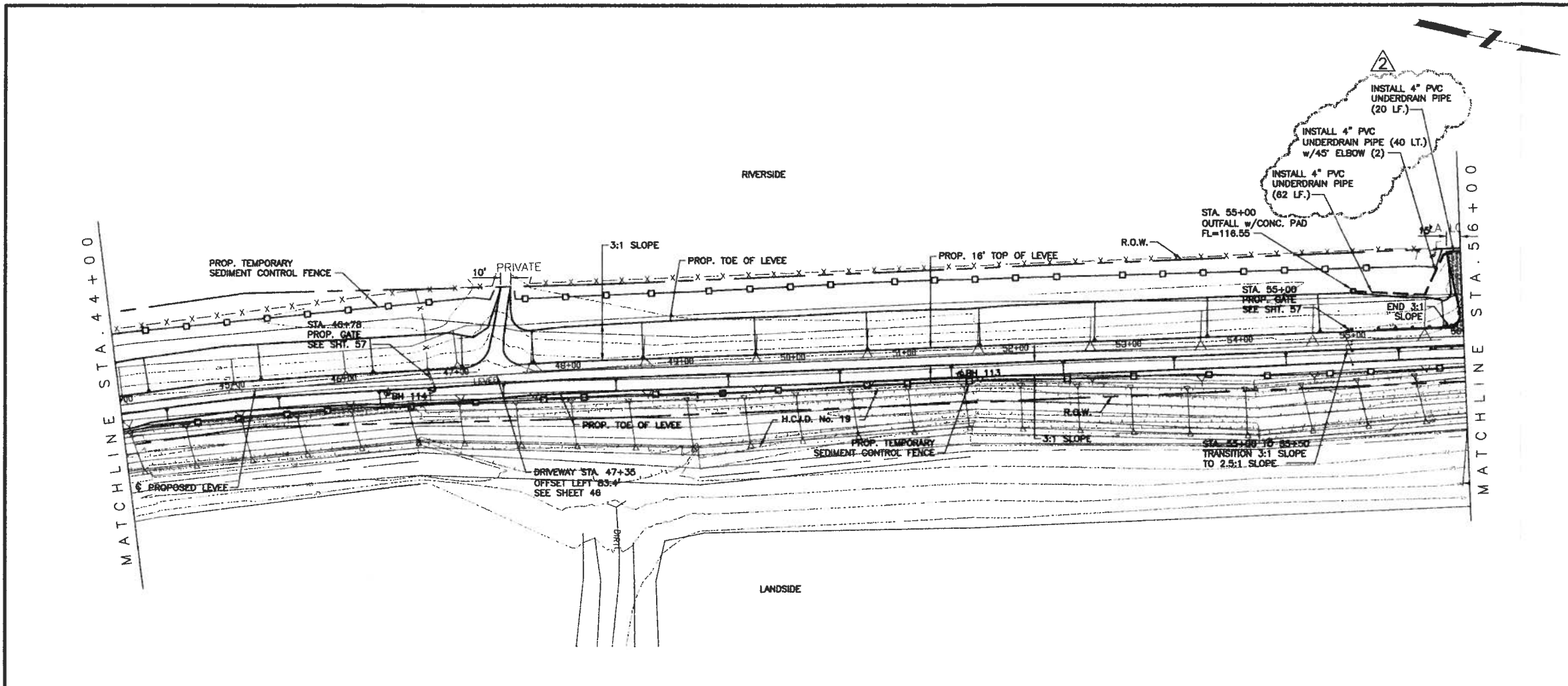
ENGINEER'S JUSTIFICATION OF COST

A detailed cost breakdown is attached as part of this package, and Contractor is in agreement with "Engineer's Opinion of Cost." Therefore, Engineer recommends processing of this change order for \$1,294.09.

HIDALGO COUNTY

NOV 12 2009

DRAINAGE DISTRICT #1



Rev. No.	Description	Chk By:	Date
1	UNDERDRAIN PIPE w/OUTFALL AND CONC. PAD	H.G.	04-20-09
2	UNDERDRAIN PIPE ADJUSTMENT	H.G.	10-28-09

**LEGEND**

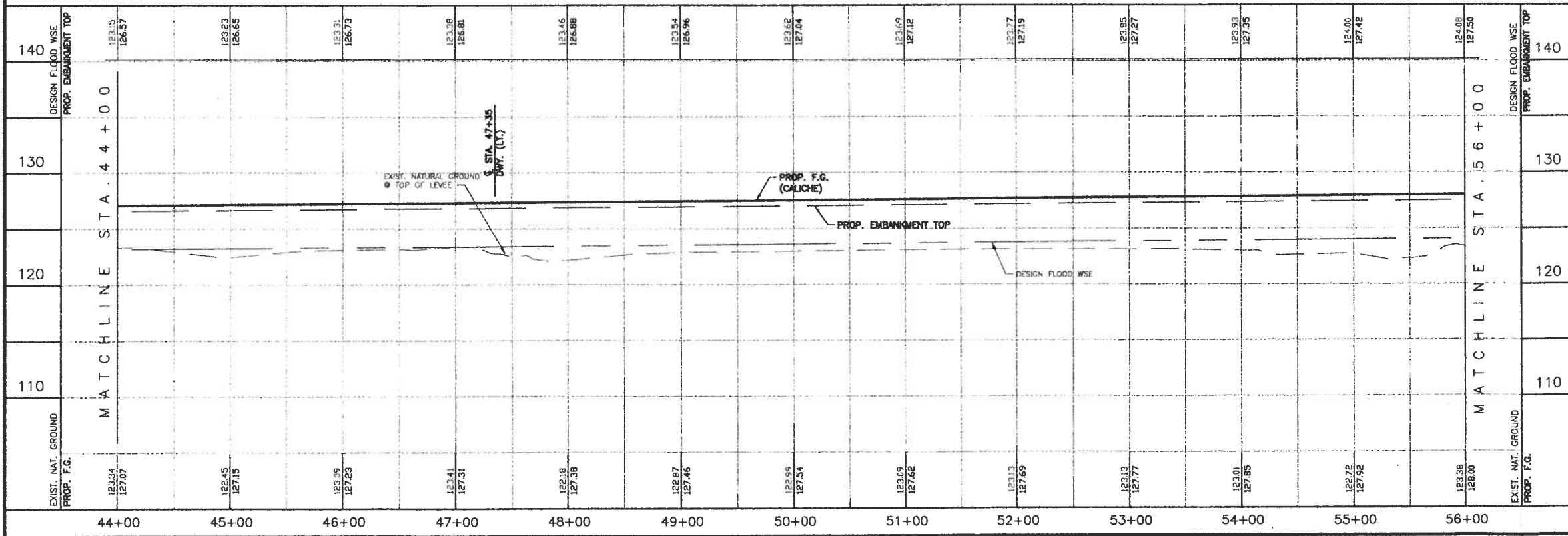
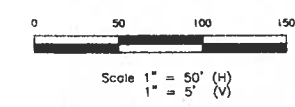
- SEDIMENT CONTROL FENCE
- EXISTING GEOTECHNICAL BORE
- PROPOSED GATE

**NOTES:**

- WHERE R.O.W. IS LESS THAN 15 FEET FROM TOE OF PROPOSED LEVEE, SEDIMENT CONTROL FENCE SHALL BE PLACED AT R.O.W. LIMITS.
- WSE= WATER SURFACE ELEVATION

**HIDALGO COUNTY**  
**NOV 12 2009**  
**DRAINAGE DISTRICT #1**

Hugo P. Gonzalez, Jr.  
Licensed Professional Engineer # 95680



Project: **LEVEE IMPROVEMENT PROJECT**  
**BANKER WEIR TO INSPIRATION ROAD**

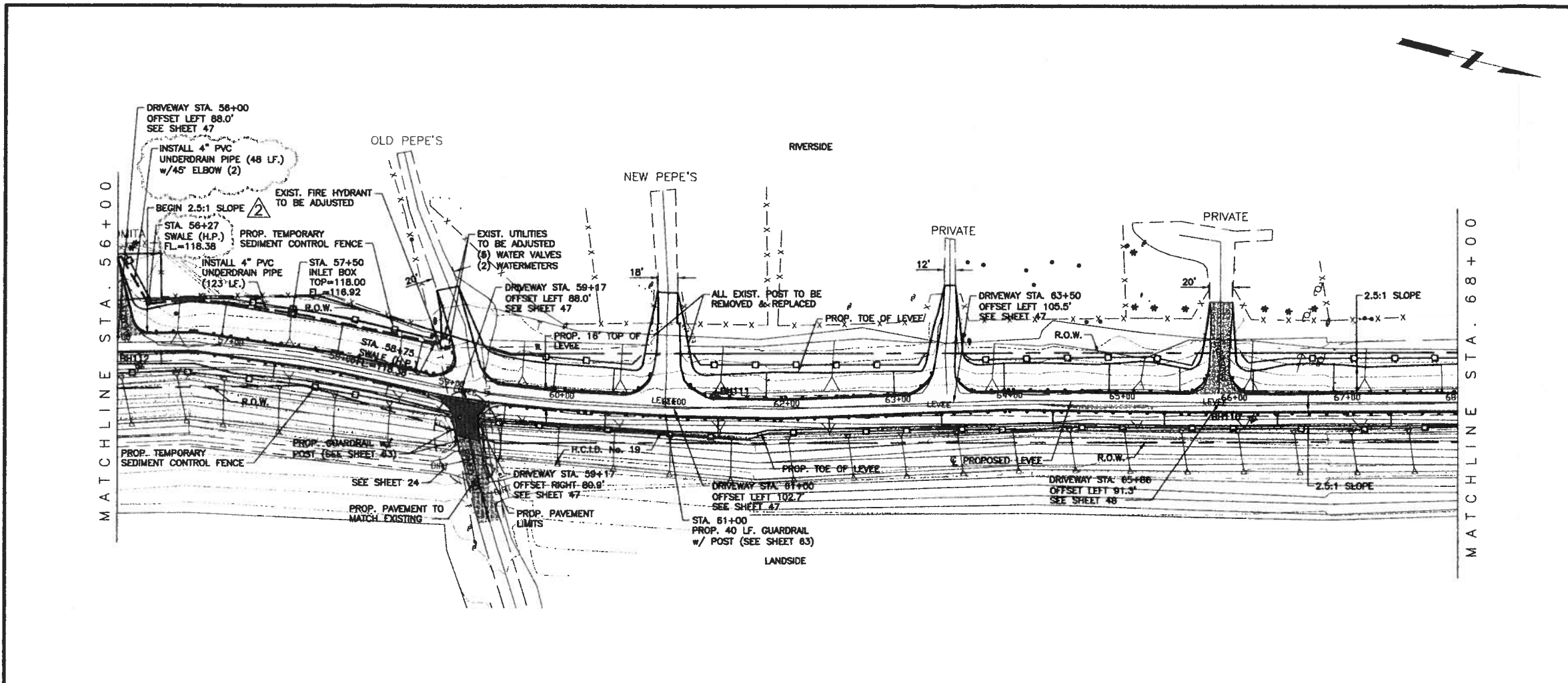
Sheet Title:

**MISSION LEVEE IMPROVEMENTS**  
**PLAN & PROFILE SHEET**  
**STA. 44+00 - 56+00**

**DL INC.**  
**DOS LOGISTICS, INC.**  
T.B.P.E. FIRM REGISTRATION #F-9225  
212 W. 3rd. Street Phone: (956) 968-8800  
Westlaco, Tx. 78596 Fax: (956) 447-8194

**DANNENBAUM**  
**ENGINEERING COMPANY-MCALLEN, LLC**  
T.B.P.E. FIRM REGISTRATION #8999  
1109 Nolana Loop, Suite 208 McAllen, TX 78504 (956) 682-3677

Date: Oct 29, 2009	Drawn By: E.B., J.M.
Designed By: H.P.G.	Checked By: J.R.
Project No.:	Sheet 10 of 94



Rev. No.	Description	Chk By:	Date
1	GUARDRAIL w/POST, GRATE INLET & DRAIN PIPE OUTFALL	H.G.	04-20-09
2	UNDERDRAIN PIPE ADJUSTMENT	H.G.	10-28-09

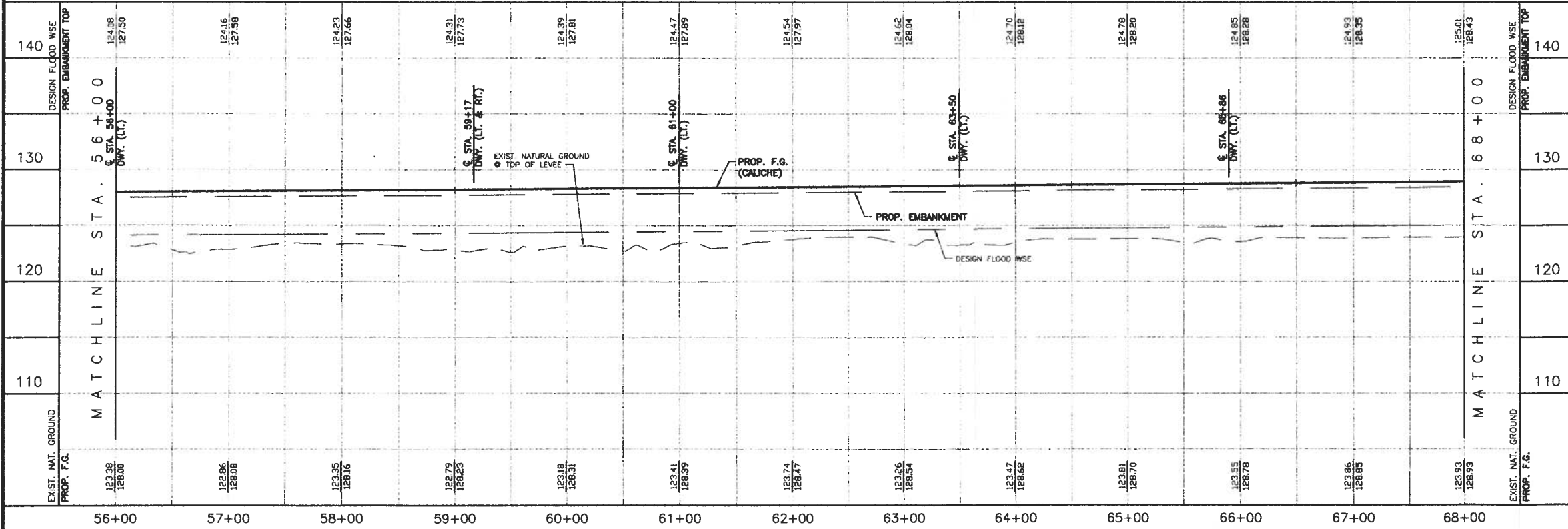
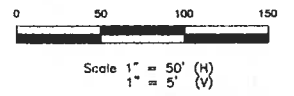
**LEGEND**

- SEDIMENT CONTROL FENCE
- ⊕ EXISTING GEOTECHNICAL BORE
- x— PROPOSED GUARDRAIL w/POST
- PROP. PAVING LIMITS

**NOTES:**

- WHERE R.O.W. IS LESS THAN 15 FEET FROM TOE OF PROPOSED LEVEE, SEDIMENT CONTROL FENCE SHALL BE PLACED AT R.O.W. LIMITS.
- WSE= WATER SURFACE ELEVATION

Hugo P. Gonzalez Jr.  
 Licensed Professional Engineer # 95680



Project: LEVEE IMPROVEMENT PROJECT  
BANKER WEIR TO INSPIRATION ROAD

Sheet Title:

MISSION LEVEE IMPROVEMENTS  
PLAN & PROFILE SHEET  
STA. 56+00 - 68+00

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Date: Oct. 29, 2009	Drawn By: E.B., J.M.
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Project No:	Sheet 11 of 94