

**AI-26648**

**4.**

**update drainage plan  
DRAINAGE DISTRICT**

Date: 05/17/2011  
Submitted By: Jaime Salazar, DRAINAGE DISTRICT  
Submitted For: Sylvia Sanchez  
Department: DRAINAGE DISTRICT

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Information

CAPTION

- A. Discussion and action of the development of an updated master plan and its improvements for HCDD1.
- B. Discussion and action on expansion of HCDD1 boundaries.

BACKGROUND

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Fiscal Impact

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Attachments

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*No file(s) attached.*

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Form Routing/Status

Route Seq	Inbox	Approved By	Date	Status
1	Budget & Management	Erika Zamora	05/12/2011 04:49 PM	APRV
2	Manuel Chapa	Manuel Chapa	05/12/2011 04:55 PM	APRV
3	Final Approval		05/12/2011 05:04 PM	NEW

Form Started By: Jaime Salazar  
Started On: 05/12/2011 04:33 PM  
Final Approval Date: 05/12/2011

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**AI-26544**

**5.**

**DHS 0-7A Invoice  
DRAINAGE DISTRICT**

Date: 05/17/2011  
Submitted By: Minerva Luna, DRAINAGE DISTRICT  
Department: DRAINAGE DISTRICT

Information

**CAPTION**

A. Request approval of payment of Invoices to L&G Engineering for professional engineering services in relation to the following DHS Segment:

1. DHS 0-7A Invoice 7617

B. Request approval to process manual check to L&G Engineering for the above mentioned project pending the approval of the County Auditor and Department of Homeland Security (DHS) and pending the electronic transfer of funds from the Department of Payment Management (DPM).

**BACKGROUND**

Fiscal Impact

Attachments

Link: [DHS 0-7A L&G](#)

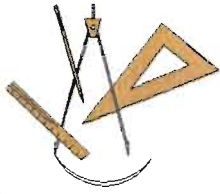
Form Routing/Status

Route Seq	Inbox	Approved By	Date	Status
1	Budget & Management	Erika Zamora	05/11/2011 10:16 AM	APRV
2	Manuel Chapa	Manuel Chapa	05/11/2011 04:50 PM	APRV
3	Final Approval	Monica Badillo	05/12/2011 05:04 PM	APRV

Form Started By: Minerva Luna

Started On: 05/06/2011 09:34 AM

Final Approval Date: 05/12/2011



# L & G Engineering Laboratory, LLC

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

## Invoice

Date	3/11/2011
Invoice #	7617

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

<b>Ship To</b>
USIBWC Banker North Floodway Levee Improvement Project DHS Segment 0-7A Wk. Auth. #44 Contract Amt. \$25,371.10

<b>P.O. No.</b>	<b>Due Date</b>
617579	4/10/2011

Item	Description	Contract Amt	Prior Amt	Curr %	Total %	Amount
330	Construction Material Testing	25,371.10		25.00%	25.00%	6,342.78

L&G Engineering Laboratory appreciates the opportunity to serve your material testing needs.

**Total** \$6,342.78

**Payments/Credits** \$0.00

**Balance Due** \$6,342.78

HIDALGO COUNTY

MAR 15 2011

DRAINAGE DISTRICT #1



# L&G Engineering Laboratory

Construction Material Testing  
Geotechnical Engineering

March 14, 2011

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

**Re: USIBWC/DHS Extension to Donna Port of Entry Improvements Project (DHS Segment O-7 A)  
WA #44 Construction Materials Testing**

Dear Mr. Garza:

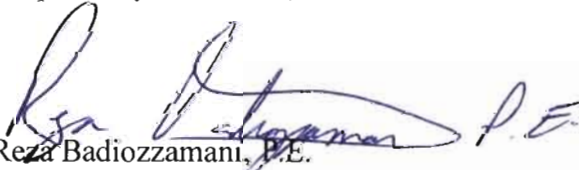
Attached for your approval are test reports and our invoice for Construction Materials Testing Services performed on the subject project thru March 14, 2011. The following is attached:

- L&G's Invoice
- Test Reports (R001-R050-7)

FC 330 – CONSTRUCTION MATERIALS TESTING		% Complete
L&G Engineering Laboratory has completed all associated testing for ready-mixed concrete on the drilled piers and abutment structures of the above referenced project. Additionally, L&G has performed moisture-density and compaction testing on cement stabilized sand backfill and roadway embankment. L&G will continue to perform construction material testing as required for the duration of the project.	L&G	25%

If you have any questions or require additional information, please feel free to contact our office.

Respectfully Submitted,

  
Reza Badiozzamani, P.E.  
Project Manager

HIDALGO COUNTY

MAR 15 2011

DRAINAGE DISTRICT #3

**REPORT OF SITE VISIT  
 TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS Segment 0-7A  
 Client: Hidalgo County Drainage District No. 1  
 Engineer: Dannenbaum Engineering Co., LLC  
 Contractor: Dos Logistics Inc.

L&G Project Number: L871001  
 L&G Report Number: R001  
 Sample Date: 08/27/2010  
 Date Reported: 08/27/2010

Page 1 of 1

On August 27, 2010 a representative of L&G Engineering Laboratory was dispatched to Segment 7A to perform testing and inspection on the placement of ready-mixed concrete on Pier #4 & #6/West Side.

Specimen Number 1 was obtained and tested at 4:45 AM, and the following were determined:

<b>Concrete Temp:</b> 95°f	95 Max Specification	<b>Entrapped/Entrained Air Content:</b> 1.3%	N/A Specification
<b>Ambient Temp:</b> 97°f	45 Min Specification	<b>Slump:</b> 3 3/4 inches	3.5 - 7 Specification

From Specimen Number 1, a total of four (4) 6x12 cylindrical test specimens were cast for Compressive Strength Testing at intervals of 7 and 28 days. \*Sampled on Pier #4/30" @ Sta. 47+86/West Side

On August 28, 2010 a representative of L&G Engineering Laboratory was dispatched to the referenced project to collect the cylindrical specimens cast on the placement of Pier #4. 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: Godfrey Garza  
 (1-cc copy)  
 1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
 Attn: Richard Seitz, P.E.  
 1-cc Dos Logistics Inc. Attn: Jose Reyes  
 1-cc Laboratory

**HIDALGO COUNTY**

**MAR 15 2011**

**DRAINAGE DISTRICT #1**

Respectfully Submitted,  
 L&G Engineering Laboratory



Orlando A. De Leon, Laboratory Manager

**REPORT OF SITE VISIT  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A

L&G Project Number: L871001

Client: Hidalgo County Drainage District No. 1

L&G Report Number: R002

Engineer: Dannenbaum Engineering Co., LLC

Sample Date: 08/28/2010

Contractor: Dos Logistics Inc.

Date Reported: 08/28/2010

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Page 1 of 1

On August 28, 2010 a representative of L&G Engineering Laboratory was dispatched to DHS Segment 0-7A to cast concrete cylinders. On August 27, 2010 the technician was notified that the concrete pour was scheduled @ 12pm, but the concrete was poured @ 11am. The information was given to the L&G technician by a representative from Dos Logistics. Pier #5/West Side was poured and was not tested due to the confusion of the time. The concrete cylinders cast on August 27, 2010 were picked up and delivered to the L&G Lab.

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: Godfrey Garza  
(1-cc copy)

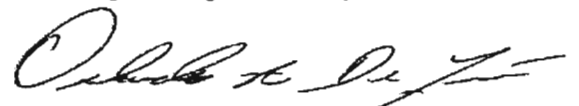
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.

1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

HIDALGO COUNTY

MAR 15 2011

Respectfully Submitted,  
L&G Engineering Laboratory



Orlando A. De Leon, Laboratory Manager



**REPORT OF SITE VISIT  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A

L&G Project Number: L871001

Client: Hidalgo County Drainage District No. 1

L&G Report Number: R003

Engineer: Dannenbaum Engineering Co., LLC

Sample Date: 08/30/2010

Contractor: Dos Logistics Inc.

Date Reported: 08/30/2010

On August 30, 2010 a representative of L&G Engineering Laboratory was dispatched to DHS Segment 0-7A to perform testing and inspection on the placement of ready-mixed concrete on Pier #1, #3 & #7/West Side.

Specimen Number 2 was obtained and tested at 4:15 PM, and the following were determined:

<b>Concrete Temp:</b>	93°f	95 Max Specification	<b>Entrapped/Entrained Air Content:</b>	1.8%	N/A Specification
<b>Ambient Temp:</b>	97°f	45 Min Specification	<b>Slump:</b>	7 inches	3.5 - 7 Specification

From Specimen Number 2, a total of four (4) 6x12 test specimens were cast for Compressive Strength Testing at intervals of 7 and 28 days. \*Sampled on Pier #1/30" @ Sta. 47+86/West Side.

On August 31, 2010 a representative of L&G Engineering Laboratory was dispatched to the referenced project to collect the cylindrical specimens cast on the placement of Pier #1. 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: Godfrey Garza  
(1-cc copy)

1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.

1-cc Dos Logistics Inc. Attn: Jose Reyes

1-cc Laboratory

HIDALGO COUNTY

MAR 15 2011

DRAINAGE DISTRICT #1

Respectfully Submitted,  
L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager



**REPORT OF SITE VISIT  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A

L&G Project Number: L871001

Client: Hidalgo County Drainage District No. 1

L&G Report Number: R004

Engineer: Dannenbaum Engineering Co., LLC

Sample Date: 08/31/2010

Contractor: Dos Logistics Inc.

Date Reported: 08/31/2010

Page 1 of 1

On August 31, 2010 a representative of L&G Engineering Laboratory was dispatched to DHS Segment 0-7A to perform testing and inspection on the placement of ready-mixed concrete on Pier #4/East Side.

Specimen Number 3 was obtained and tested at 4:50 PM, and the following were determined:

<b>Concrete Temp:</b>	<u>92°f</u>	<u>95 Max</u> Specification	<b>Entrapped/Entrained Air Content:</b>	<u>1.2%</u>	<u>N/A</u> Specification
<b>Ambient Temp:</b>	<u>96°f</u>	<u>45 Min.</u> Specification	<b>Slump:</b>	<u>6 inches</u>	<u>3.5 - 7</u> Specification

From Specimen Number 3, a total of four (4) 6x12 cylindrical test specimens were cast for Compressive Strength Testing at intervals of 7 and 28 days. \*Sampled on Pier #4/30" @ Sta. 48+66/East Side

On September 1, 2010 a representative of L&G Engineering Laboratory was dispatched to the referenced project to collect the cylindrical specimens cast on the placement of DHS Segment 0-7A. 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: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

**HIDALGO COUNTY**

**MAR 15 2011**

**DRAINAGE DISTRICT #1**

Respectfully Submitted,  
L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager



**REPORT OF SITE VISIT  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A

L&G Project Number: L871001

Client: Hidalgo County Drainage District No. 1

L&G Report Number: R005

Engineer: Dannenbaum Engineering Co., LLC

Sample Date: 09/01/2010

Contractor: Dos Logistics Inc.

Date Reported: 09/01/2010

Page 1 of 1

On September 1, 2010 a representative of L&G Engineering Laboratory was dispatched to DHS Segment 0-7A to perform testing and inspection on the placement of ready-mixed concrete on Pier #5 & #3/East Side.

Specimen Number 4 was obtained and tested at 1:32 PM, and the following were determined:

<b>Concrete Temp:</b> 95°f	95 Max Specification	<b>Entrapped/Entrained Air Content:</b> 1.6%	N/A Specification
<b>Ambient Temp:</b> 98°f	45 Min. Specification	<b>Slump:</b> 5 inches	3.5 - 7 Specification

From Specimen Number 4, a total of four (4) 6x12 cylindrical test specimens were cast for Compressive Strength Testing at intervals of 7 and 28 days. \*Sample on Pier #5/30" @ Sta. 48+66/East Side.

On September 2, 2010 a representative of L&G Engineering Laboratory was dispatched to the referenced project to collect the cylindrical specimens cast on the placement of DHS Segment 0-7A. 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: Godfrey Garza  
(1-cc copy)

1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E. **HIDALGO COUNTY**)

1-cc Dos Logistics Inc. Attn: Jose Reyes

1-cc Laboratory

**MAR 15 2011**  
**DRAINAGE DISTRICT #1**

Respectfully Submitted,  
L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager



**REPORT OF SITE VISIT  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A

L&G Project Number: L871001

Client: Hidalgo County Drainage District No. 1

L&G Report Number: R006

Engineer: Dannenbaum Engineering Co., LLC

Sample Date: 09/02/2010

Contractor: Dos Logistics Inc.

Date Reported: 09/02/2010

Page 1 of 1

On September 2, 2010 a representative of L&G Engineering Laboratory was dispatched to DHS Segment 0-7A to perform testing and inspection on the placement of ready-mixed concrete on Pier #2 & #7/East Side.

Specimen Number 5 was obtained and tested at 1:42 PM, and the following were determined:

<b>Concrete Temp:</b> 94°f	95 Max Specification	<b>Entrapped/Entrained Air Content:</b> 1.5%	N/A Specification
<b>Ambient Temp:</b> 96°f	45 Min Specification	<b>Slump:</b> 3 1/2 inches	3.5 - 7 Specification

From Specimen Number 5, a total of four (4) 6x12 cylindrical test specimens were cast for Compressive Strength Testing at intervals of 7 and 28 days. \*Sampled on Pier #2/30" @ Sta. 48+66/East Side

On September 3, 2010 a representative of L&G Engineering Laboratory was dispatched to the referenced project to collect the cylindrical specimens cast on the placement of Pier #2/30" @ Sta. 48+66 East Side. 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: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

HIDALGO COUNTY

MAR 15 2011

DRAINAGE DISTRICT #1

Respectfully Submitted,  
L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager



**SIEVE ANALYSIS  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A  
Client: Hidalgo County Drainage District No. 1  
Engineer: Dannenbaum Engineering Co., LLC  
Contractor: Dos Logistics Inc.

L&G Project Number: L871001  
L&G Report Number: R007  
Sample Date: 09/01/2010  
Date Reported: 09/01/2010

Material: Concrete Sand #1

<u>Sieve</u>	<u>% Passing</u>	<u>Required</u>
3/8 in	<b>98</b>	<b>100 *</b>
No. 4	<b>93</b>	<b>95 - 100 *</b>
No. 8	<b>56</b>	<b>80-100 *</b>
No. 16	<b>37</b>	<b>50 - 85 *</b>
No. 30	31	25 - 65
No. 50	20	10 - 35
No. 100	5	0 - 10
No. 200	3.0	0 - 3

Remarks: **Finess Modules 3.605 (Specification = 2.30-3.10 Sample is out of Tolerance); Sand Equivalent 71 (Specification 80 Minimum; Sample does not meet specification) Sampled @ JIII Plant (Progresso). Source of Material Fordyce Sand.**

Test Method (As Applicable): Tex Method 401-A, 203-F

Orig: Hidalgo County Drainage District No. 1  
(Edinburg, TX) Attn: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager



**SIEVE ANALYSIS  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A

L&G Project Number: L871001

Client: Hidalgo County Drainage District No. 1

L&G Report Number: R008

Engineer: Dannenbaum Engineering Co., LLC

Sample Date: 09/01/2010

Contractor: Dos Logistics Inc.

Date Reported: 09/01/2010

Material: Concrete Coarse Aggregate / Gravel  
Description: Grade 3 / Gravel

<u>Sieve</u>	<u>% Passing</u>	<u>Required</u>
2 in	100	100 - 100
1 1/2 in	100	95 - 100
3/4 in	75	60 - 90
1/2 in	35	25 - 60
No. 4	3	0 - 5

Remarks: **Decant Value .7(Specification 1.0% Max); \*Source of Material JIII Plant (Progresso).**  
Test Method (As Applicable): Tex Method 401-A Grade 3

Orig: Hidalgo County Drainage District No. 1  
(Edinburg, TX) Attn: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager

## CONCRETE COMPRESSION TEST REPORT

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A  
Client: Hidalgo County Drainage District No. 1  
Engineer: Dannenbaum Engineering Co., LLC  
Contractor: Dos Logistics Inc.

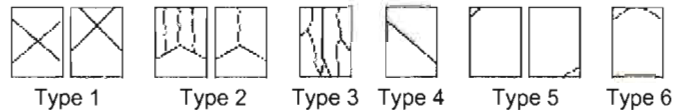
L&G Project Number: L871001  
L&G Report Number: R009-28  
Sample Date: 08/27/2010  
Date Reported: 09/24/2010

Page 1 of 1

Placement Location: Sta. 47+86 West Drill Shaft Abutment Pier #4  
 Mix ID: 211 Supplier: J III Concrete  
 Specified Strength: 3,600 P.S.I. @ 28 days  
 Specified Slump: 7" Max Slump: 3.75"  
 Specified Air Content: N/A Air Content: 1.3%  
 Weather Conditions: Clear & Windy Air Temp.: 97°f  
 Time Batched: 4:23 pm Time Sampled: 4:45 pm Concrete Temp.: 95°f  
 Plant Ticket No: 149425 Truck No: 185 CY: 7  
 Water: 0 gal.

### Compressive Strength Data

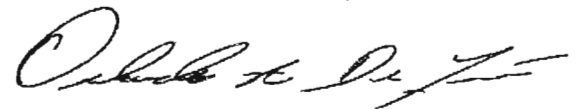
Set No.	Identification	Test Date	Age (days)	Maximum Load (pounds)	Break Type	Comp. Strength (psi)	Average Strength (psi)	% of Design
1	A	09/03/2010	7	86,570	Type 2	3,060		85.00%
	B	09/03/2010	7	87,490	Type 2	3,090	3,080	85.83%
	C	09/24/2010	28	116,420	Type 3	4,120		114.44%
	D	09/24/2010	28	117,940	Type 3	4,170	4,140	115.83%



**Remarks/Comments:**  
6 x 12 in. Cylinders

Orig: Hidalgo County Drainage District No. 1  
 (Edinburg, TX) Attn: Godfrey Garza  
 (1-cc copy)  
 1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
 Attn: Richard Seitz, P.E.  
 1-cc Dos Logistics Inc. Attn: Jose Reyes  
 1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory



Orlando A. De Leon, Laboratory Manager



**SIEVE ANALYSIS  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A  
Client: Hidalgo County Drainage District No. 1  
Engineer: Dannenbaum Engineering Co., LLC  
Contractor: Dos Logistics Inc.

L&G Project Number: L871001  
L&G Report Number: R010  
Sample Date: 09/03/2010  
Date Reported: 09/03/2010

Material: Concrete Fine Aggregate  
Description: Grade 1 / Concrete Sand

<u>Sieve</u>	<u>% Passing</u>	<u>Required</u>
3/8 in	100	100 - 100
No. 4	98	95 - 100
No. 8	<b>67</b>	<b>80 - 100 *</b>
No. 16	51	50 - 85
No. 30	44	25 - 65
No. 50	29	10 - 35
No. 100	6	0 - 10
No. 200	3.0	0 - 3

Remarks: **Finess Modules 3.052(Specification 2.30-3.10); Sand Equivalent 71(Specification 80 Minimum; Sample does not meet specification) Sampled @ JIII ( Weslaco Plant). Source of Material Fordyce Sand.**  
Test Method (As Applicable): Tex Method 401-A, 203-F

Orig: Hidalgo County Drainage District No. 1  
(Edinburg, TX) Attn: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager

**CONCRETE COMPRESSION  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A  
Client: Hidalgo County Drainage District No. 1  
Engineer: Dannenbaum Engineering Co., LLC  
Contractor: Dos Logistics Inc.

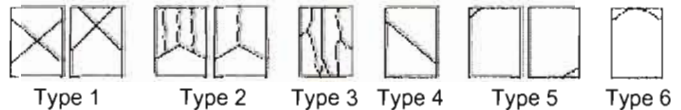
L&G Project Number: L871001  
L&G Report Number: R011-28  
Sample Date: 08/30/2010  
Date Reported: 09/27/2010

Page 1 of 1

Placement Location: West Drill Shafts Abutment Pier #1@ Sta. 47+66  
 Mix ID: 211 Supplier: J III Concrete  
 Specified Strength: 3,600 P.S.I. @ 28 days  
 Specified Slump: 7" Max Slump: 7.0"  
 Specified Air Content: N/A Air Content: 1.8%  
 Weather Conditions: Cloudy, Sunny & Windy Air Temp.: 97°F  
 Time Batched: 3:27 pm Time Sampled: 4:15 pm Concrete Temp.: 93°F  
 Plant Ticket No: 149516 Truck No: 186 CY: 9  
 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	09/06/2010	7	91,930	Type 2	3,250		90.28%
	B	09/06/2010	7	92,860	Type 2	3,280	3,270	91.11%
	C	09/27/2010	28	137,160	Type 5	4,850		134.72%
	D	09/27/2010	28	135,280	Type 3	4,780	4,820	132.78%



**Remarks/Comments:**  
6 x 12 in. Cylinders

Orig: Hidalgo County Drainage District No. 1  
(Edinburg, TX) Attn: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.)  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager

**CONCRETE COMPRESSION  
 TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
 Segment 0-7A  
 Client: Hidalgo County Drainage District No. 1  
 Engineer: Dannenbaum Engineering Co., LLC  
 Contractor: Dos Logistics Inc.

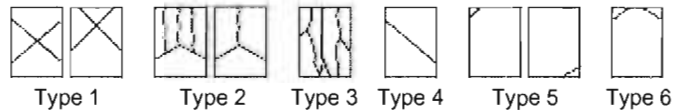
L&G Project Number: L871001  
 L&G Report Number: R012-28  
 Sample Date: 08/31/2010  
 Date Reported: 09/28/2010

Page 1 of 1

Placement Location: East Side Abutment Drill Shaft Pier #4 @ Sta. 48+66  
 Mix ID: 211 Supplier: J III Concrete  
 Specified Strength: 3,600 P.S.I. @ 28 days  
 Specified Slump: 7" Max Slump: 6.0"  
 Specified Air Content: N/A Air Content: 1.2%  
 Weather Conditions: Cloudy, Sunny & Windy Air Temp.: 96°F  
 Time Batched: 3:51 pm Time Sampled: 4:50 pm Concrete Temp.: 92°F  
 Plant Ticket No: 149573 Truck No: 195 CY: 9  
 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
3	A	09/07/2010	7	93,860	Type 3	3,320		92.22%
	B	09/07/2010	7	97,620	Type 2	3,450	3,390	95.83%
	C	09/28/2010	28	126,550	Type 3	4,480		124.44%
	D	09/28/2010	28	122,710	Type 3	4,340	4,410	120.56%



**Remarks/Comments:**  
 6 x 12 in. Cylinders

Orig: Hidalgo County Drainage District No. 1  
 (Edinburg, TX) Attn: Godfrey Garza  
 (1-cc copy)  
 1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
 Attn: Richard Seitz, P.E.)  
 1-cc Dos Logistics Inc. Attn: Jose Reyes  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager

**CONCRETE COMPRESSION  
 TEST REPORT**

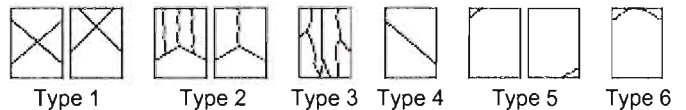
Project Description: Extension to Donna Port of Entry Improvements Project DHS  
 Segment 0-7A  
 Client: Hidalgo County Drainage District No. 1  
 Engineer: Dannenbaum Engineering Co., LLC  
 Contractor: Dos Logistics Inc.

L&G Project Number: L871001  
 L&G Report Number: R013-28  
 Sample Date: 09/01/2010  
 Date Reported: 09/29/2010

Placement Location: East Drill Shaft Abutment Pier #1 @ Sta. 48+66  
 Mix ID: 211 Supplier: Jill Concrete  
 Specified Strength: 3,600 P.S.I. @ 28 days  
 Specified Slump: 7" Max Slump: 5.0"  
 Specified Air Content: N/A Air Content: 1.6%  
 Weather Conditions: Cloudy, Calm & Sunny Air Temp.: 98°f  
 Time Batched: 12:26 pm Time Sampled: 1:32 pm Concrete Temp.: 95°f  
 Plant Ticket No: 149664 Truck No: 198 CY: 9  
 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	09/08/2010	7	101,050	Type 3	3,570		99.17%
	B	09/08/2010	7	100,070	Type 3	3,540	3,560	98.33%
	C	09/29/2010	28	127,530	Type 3	4,510		125.28%
	D	09/29/2010	28	132,180	Type 3	4,670	4,590	129.72%



**Remarks/Comments:**  
 6 x 12 in. Cylinders

Orig: Hidalgo County Drainage District No. 1  
 (Edinburg, TX) Attn: Godfrey Garza  
 (1-cc copy)  
 1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
 Attn: Richard Seitz, P.E.  
 1-cc Dos Logistics Inc. Attn: Jose Reyes  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager

**CONCRETE COMPRESSION  
 TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
 Segment 0-7A  
 Client: Hidalgo County Drainage District No. 1  
 Engineer: Dannenbaum Engineering Co., LLC  
 Contractor: Dos Logistics Inc.

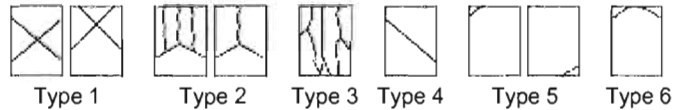
L&G Project Number: L871001  
 L&G Report Number: R014-28  
 Sample Date: 09/02/2010  
 Date Reported: 09/30/2010

Page 1 of 1

Placement Location: Pier #2/30"/ Sta: 48+66 East Side  
 Mix ID: 3.Comm.20 21 Supplier: J III Concrete  
 Specified Strength: 3,600 P.S.I. @ 28 days  
 Specified Slump: 7" Max Slump: 3.5"  
 Specified Air Content: N/A Air Content: 1.5%  
 Weather Conditions: Sunny & Hot Air Temp.: 96°f  
 Time Batched: 1:00 pm Time Sampled: 1:42 pm Concrete Temp.: 94°f  
 Plant Ticket No: 149725 Truck No: 197 CY: 9  
 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	09/09/2010	7	92,470	Type 3	3,270		90.83%
	B	09/09/2010	7	93,050	Type 3	3,290	3,280	91.39%
	C	09/30/2010	28	118,490	Type 5	4,190		116.39%
	D	09/30/2010	28	120,920	Type 3	4,280	4,230	118.89%



**Remarks/Comments:**

6 x 12 in. Cylinders

Orig: Hidalgo County Drainage District No. 1  
 (Edinburg, TX) Attn: Godfrey Garza  
 (1-cc copy)  
 1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
 Attn: Richard Seitz, P.E.)  
 1-cc Dos Logistics Inc. Attn: Jose Reyes  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager



**REPORT OF SITE VISIT  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A

L&G Project Number: L871001

Client: Hidalgo County Drainage District No. 1

L&G Report Number: R015

Engineer: Dannenbaum Engineering Co., LLC

Sample Date: 10/06/2010

Contractor: Dos Logistics Inc.

Date Reported: 10/06/2010

Page 1 of 1

On October 6, 2010 a representative of L&G Engineering Laboratory was dispatched to DHS Segment 0-7A to perform testing and inspection on the placement of ready-mixed concrete on the West Abutment.

Specimen Number 6 was obtained and tested at 10:40 AM, and the following were determined:

<b>Concrete Temp:</b>	88°f	95 Max	<b>Entrapped/Entrained Air Content:</b>	2%	7.50
		Specification			Specification
<b>Ambient Temp:</b>	84°f	50 Min	<b>Slump:</b>	5 inches	3 - 5
		Specification			Specification

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

On October 7, 2010 a representative of L&G Engineering Laboratory was dispatched to the referenced project to collect the cylindrical specimens cast on the placement of the West Abutment. 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: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager

**REPORT OF SITE VISIT  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A

L&G Project Number: L871001

Client: Hidalgo County Drainage District No. 1

L&G Report Number: R016

Engineer: Dannenbaum Engineering Co., LLC

Sample Date: 10/08/2010

Contractor: Dos Logistics Inc.

Date Reported: 10/08/2010

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Page 1 of 1

On October 8, 2010 a representative of L&G Engineering Laboratory was dispatched to DHS Segment 0-7A to perform testing and inspection on the placement of ready-mixed concrete on the East Abutment.

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Specimen Number 7 was obtained and tested at 8:42 AM, and the following were determined:

<b>Concrete Temp:</b> <u>83°f</u>	<u>95 Max</u> Specification	<b>Entrapped/Entrained Air Content:</b> <u>3.1%</u>	<u>7.5</u> Specification
<b>Ambient Temp:</b> <u>75°f</u>	<u>50 Min</u> Specification	<b>Slump:</b> <u>4 inches</u>	<u>3 - 5</u> Specification

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

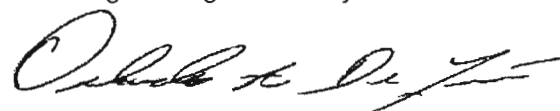
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On October 9, 2010 a representative of L&G Engineering Laboratory was dispatched to the referenced project to collect the cylindrical specimens cast on the placement of the East Abutment. The specimens were delivered to the laboratory where they were 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: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.)  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory



---

Orlando A. De Leon, Laboratory Manager



**REPORT OF SITE VISIT  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A

L&G Project Number: L871001

Client: Hidalgo County Drainage District No. 1

L&G Report Number: R017

Engineer: Dannenbaum Engineering Co., LLC

Sample Date: 10/12/2010

Contractor: Dos Logistics Inc.

Date Reported: 10/12/2010

Page 1 of 1

On October 12, 2010 a representative of L&G Engineering Laboratory was dispatched to Segment 0-7A to perform testing and inspection on the placement of ready-mixed concrete on the West Headwall.

Specimen Number 8 was obtained and tested at 3:00 PM, and the following were determined:

<b>Concrete Temp:</b>	95°f	95 Max Specification	<b>Entrapped/Entrained Air Content:</b>	1.8%	7 1/2 Max Specification
<b>Ambient Temp:</b>	92°f	40 Min Specification	<b>Slump:</b>	4 inches	3 - 5 Specification

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

On October 13, 2010 a representative of L&G Engineering Laboratory was dispatched to the referenced project to collect the cylindrical specimens cast on the placement of West headwall. 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: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager



**CONCRETE COMPRESSION  
TEST REPORT**

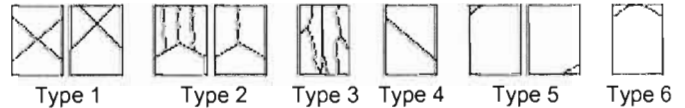
Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A  
Client: Hidalgo County Drainage District No. 1  
Engineer: Dannenbaum Engineering Co., LLC  
Contractor: SER Construction Partners, LTD

L&G Project Number: L871001  
L&G Report Number: R018-28  
Sample Date: 10/06/2010  
Date Reported: 11/03/2010

Placement Location: West Abutment @ Sta. 47+86  
Mix ID: 211 Supplier: J III Concrete  
Specified Strength: 3,600 P.S.I. @ 28 days  
Specified Slump: 5" Max Slump: 5.0"  
Specified Air Content: N/A Air Content: 2.0%  
Weather Conditions: Clear, Calm & Sunny Air Temp.: 84°F  
Time Batched: 9:58 am Time Sampled: 10:40 am Concrete Temp.: 88°F  
Plant Ticket No: 151329 Truck No: 199 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
6	A	10/13/2010	7	104,550	Type 5	3,700		102.78%
	B	10/13/2010	7	106,960	Type 5	3,780	3,740	105.00%
	C	11/03/2010	28	140,500	Type 3	4,970		138.06%
	D	11/03/2010	28	140,070	Type 3	4,950	4,960	137.50%



**Remarks/Comments:**

6 x 12 in. Cylinders

Orig: Hidalgo County Drainage District No. 1  
(Edinburg, TX) Attn: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.)  
1-cc SER (SER Construction Partners, LTD)  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager

**REPORT OF SITE VISIT  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A

L&G Project Number: L871001

Client: Hidalgo County Drainage District No. 1

L&G Report Number: R019

Engineer: Dannenbaum Engineering Co., LLC

Sample Date: 10/15/2010

Contractor: Dos Logistics Inc.

Date Reported: 10/15/2010

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Page 1 of 1

On October 15, 2010 a representative of L&G Engineering Laboratory was dispatched to DHS Segment 0-7A to perform testing and inspection on the placement of ready-mixed concrete on the East Headwall.

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Specimen Number 9 was obtained and tested at 9:35 AM, and the following were determined:

<b>Concrete Temp:</b> <u>84°f</u>	<u>95</u> Specification	<b>Entrapped/Entrained Air Content:</b> <u>2%</u>	<u>7.50 Max</u> Specification
<b>Ambient Temp:</b> <u>74°f</u>	<u>45</u> Specification	<b>Slump:</b> <u>5 inches</u>	<u>3-5</u> Specification

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

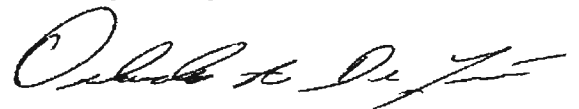
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On October 16, 2010 a representative of L&G Engineering Laboratory was dispatched to the referenced project to collect the cylindrical specimens cast on the placement of the East headwall. The specimens were delivered to the laboratory where they were 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: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.)  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory



Orlando A. De Leon, Laboratory Manager



### PROCTOR TEST REPORT

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A  
Client: Hidalgo County Drainage District No. 1  
Engineer: Dannenbaum Engineering Co., LLC  
Contractor: Dos Logistics Inc.

L&G Project Number: L871001  
L&G Report Number: R020  
Sample Date: 10/15/2010  
Date Reported: 10/19/2010

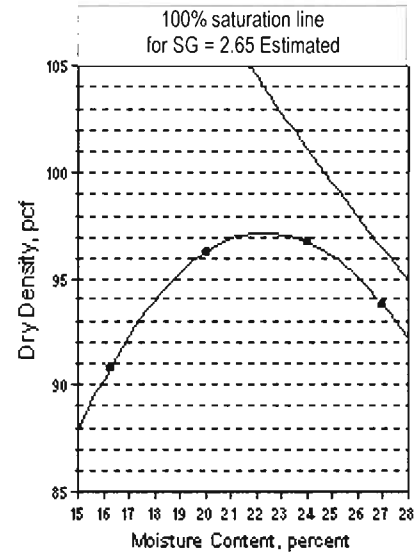
Field Number: Borrow M.  
Compaction Method: ASTM D-698  
Material Description: Borrow Material

Specific Gravity: 2.65

**Required**  
Liquid Limit: 64 50 Max  
Plastic Limit: 38  
Plasticity Index: 26 30 Max  
% Passing No. 200: 98.1  
Group Symbol: MH

Specimen No.:	1	2	3	4
Moisture, %:	16.3	19.9	23.9	26.9
Dry Density (pcf):	90.90	96.20	96.70	93.90

Maximum Dry Density in P.C.F.: 97.20  
Optimum Moisture (%): 22.2



Remarks: Sample obtained from La Gaviota Pit. Does not meet project specifications. (Division 31, Part 2.01, B)

Test Method: ASTM D-698 Method-A, ASTM D-4318, ASTM D-1140

Orig: Hidalgo County Drainage District No. 1  
(Edinburg, TX) Attn: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager



### PROCTOR TEST REPORT

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A

L&G Project Number: L871001

Client: Hidalgo County Drainage District No. 1

L&G Report Number: R020

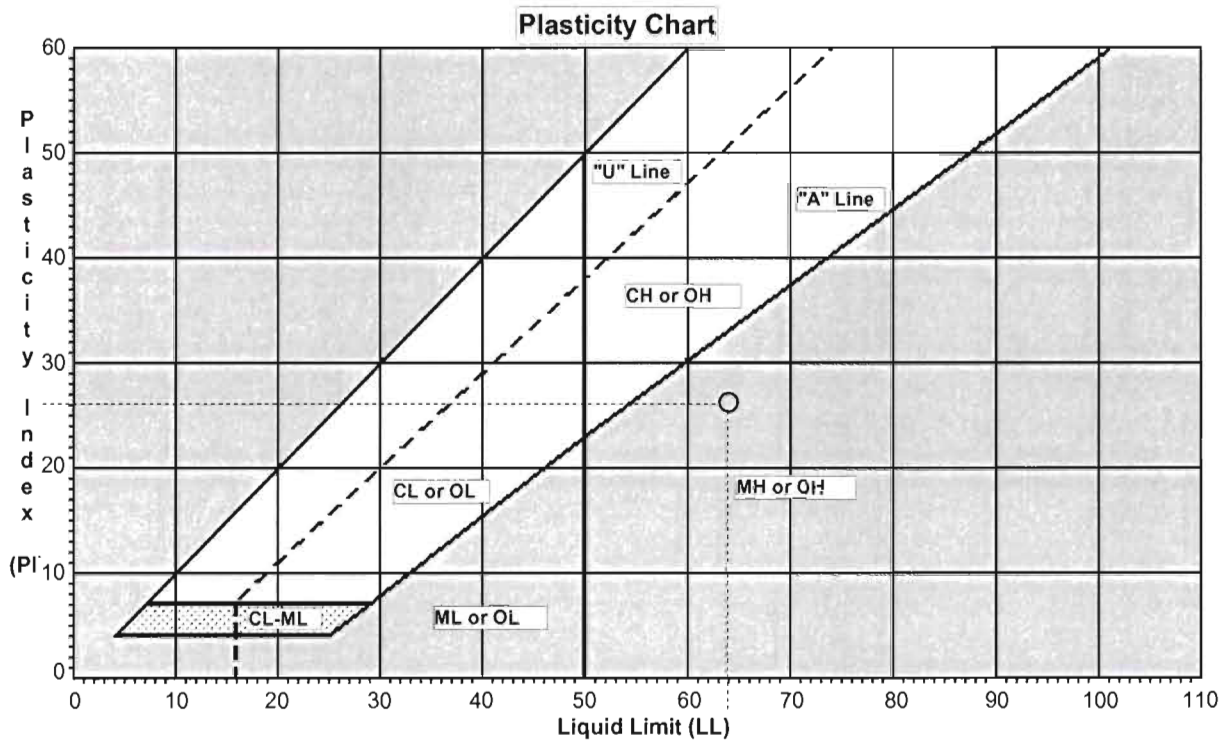
Engineer: Dannenbaum Engineering Co., LLC

Sample Date: 10/15/2010

Contractor: Dos Logistics Inc.

Date Reported: 10/19/2010

Field Number: Borrow M.



Orig: Hidalgo County Drainage District No. 1  
(Edinburg, TX) Attn: Godfrey Garza  
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1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager

**CONCRETE COMPRESSION  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A  
Client: Hidalgo County Drainage District No. 1  
Engineer: Dannenbaum Engineering Co., LLC  
Contractor: SER Construction Partners, LTD

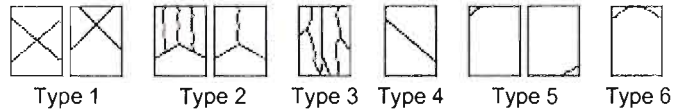
L&G Project Number: L871001  
L&G Report Number: R021-28  
Sample Date: 10/08/2010  
Date Reported: 11/05/2010

Page 1 of 1

Placement Location: East Abutment @ Sta. 48+66  
 Mix ID: 118 Supplier: J III Concrete  
 Specified Strength: 3,600 P.S.I. @ 28 days  
 Specified Slump: 5" Max Slump: 4.0"  
 Specified Air Content: 7.50 Max Air Content: 3.1%  
 Weather Conditions: Clear & Sunny Air Temp.: 75°F  
 Time Batched: 7:45 am Time Sampled: 8:42 am Concrete Temp.: 83°F  
 Plant Ticket No: 151448 Truck No: 182 CY: 10  
 Water: 10 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	10/15/2010	7	102,990	Type 3	3,640		101.11%
	B	10/15/2010	7	103,030	Type 2	3,640	3,640	101.11%
	C	11/05/2010	28	138,330	Type 3	4,890		135.83%
	D	11/05/2010	28	140,210	Type 3	4,960	4,930	137.78%



**Remarks/Comments:**  
6 x 12 in. Cylinders

Orig: Hidalgo County Drainage District No. 1  
(Edinburg, TX) Attn: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.)  
1-cc SER (SER Construction Partners, LTD)  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager

**CONCRETE COMPRESSION  
 TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
 Segment 0-7A  
 Client: Hidalgo County Drainage District No. 1  
 Engineer: Dannenbaum Engineering Co., LLC  
 Contractor: SER Construction Partners, LTD

L&G Project Number: L871001  
 L&G Report Number: R022-28  
 Sample Date: 10/12/2010  
 Date Reported: 11/09/2010

Page 1 of 1

Placement Location: West Headwall @ Sta. 47+86  
 Mix ID: 118 Supplier: J III Concrete  
 Specified Strength: 3,600 P.S.I. @ 28 days  
 Specified Slump: 5" Max Slump: 4.0"  
 Specified Air Content: 7.5 Max Air Content: 1.8%  
 Weather Conditions: Clear, Sunny & Breezy Air Temp.: 92°f  
 Time Batched: 1:29 pm Time Sampled: 3:00 pm Concrete Temp.: 95°f  
 Plant Ticket No: 151647 Truck No: 174 CY: 10  
 Water: 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	10/19/2010	7	84,830	Type 3	3,000		83.33%
	B	10/19/2010	7	81,100	Type 2	2,870	2,930	79.72%
	C	11/09/2010	28	127,240	Type 2	4,500		125.00%
	D	11/09/2010	28	120,120	Type 3	4,250	4,370	118.06%



**Remarks/Comments:**  
 6 x 12 in. Cylinders

Orig: Hidalgo County Drainage District No. 1  
 (Edinburg, TX) Attn: Godfrey Garza  
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 1-cc Dos Logistics Inc. Attn: Jose Reyes  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager

**PROCTOR  
 TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
 Segment 0-7A  
 Client: Hidalgo County Drainage District No. 1  
 Engineer: Dannenbaum Engineering Co., LLC  
 Contractor: Dos Logistics Inc.

L&G Project Number: L871001  
 L&G Report Number: R023  
 Sample Date: 10/20/2010  
 Date Reported: 10/20/2010

Page 1 of 2

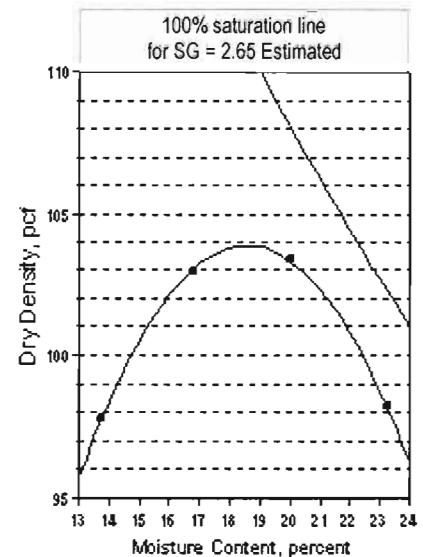
Compaction Method: ASTM D-698  
 Material Description: Borrow Material #2

Specific Gravity: 2.65

Liquid Limit: 48  
 Plastic Limit: 18  
 Plasticity Index: 30  
 % Passing No. 200: 95.0  
 Group Symbol: CL

Specimen No.:	1	2	3	4
Moisture, %:	13.8	16.7	19.9	23.3
Dry Density (pcf):	97.90	103.0	103.4	98.10

Maximum Dry Density in P.C.F.: 103.9  
 Optimum Moisture (%): 18.5



Remarks: \*Gaviota Pit North East Stockpile 0-9 ft. combined.  
 Test Method: ASTM D1557 or D698, ASTM D-698

Orig: Hidalgo County Drainage District No. 1  
 (Edinburg, TX) Attn: Godfrey Garza  
 (1-cc copy)  
 1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
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 1-cc Dos Logistics Inc. Attn: Jose Reyes  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager

**PROCTOR  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A

L&G Project Number: L871001

Client: Hidalgo County Drainage District No. 1

L&G Report Number: R023

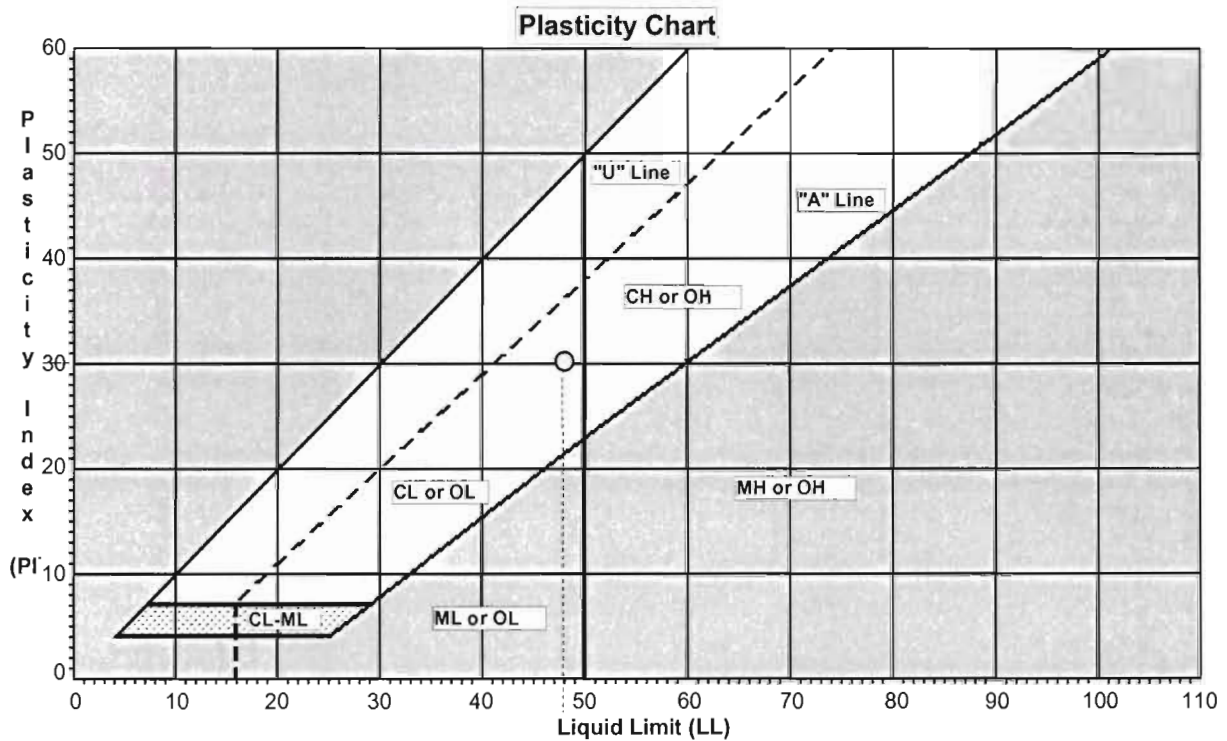
Engineer: Dannenbaum Engineering Co., LLC

Sample Date: 10/20/2010

Contractor: Dos Logistics Inc.

Date Reported: 10/20/2010

Page 2 of 2



Orig: Hidalgo County Drainage District No. 1  
(Edinburg, TX) Attn: Godfrey Garza  
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1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.)  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager



**SIEVE ANALYSIS  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A  
Client: Hidalgo County Drainage District No. 1  
Engineer: Dannenbaum Engineering Co., LLC  
Contractor: SER Construction Partners, LTD

L&G Project Number: L871001  
L&G Report Number: R024  
Sample Date: 10/21/2010  
Date Reported: 10/21/2010

Page 1 of 1

Material: Cement Stabilized Sand (Abutment Backfill)

<u>Sieve</u>	<u>% Passing</u>	<u>Required</u>
No. 200	18.3	Max of 15%

Remarks: **\*Project specifications Section 31 32 10, page 2 Part 2, 2.01, B. Section 31 32 00, page 4 part 2, 2.02, D.**  
Test Method (As Applicable): ASTM-D1140

Orig: Hidalgo County Drainage District No. 1  
(Edinburg, TX) Attn: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.)  
1-cc SER (SER Construction Partners, LTD)  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager

**REPORT OF SITE VISIT  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A

L&G Project Number: L871001

Client: Hidalgo County Drainage District No. 1

L&G Report Number: R025

Engineer: Dannenbaum Engineering Co., LLC

Sample Date: 10/20/2010

Contractor: SER Construction Partners, LTD

Date Reported: 10/20/2010

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Page 1 of 1

On October 20, 2010 a representative of L&G Engineering Laboratory was dispatched to DHS Segment 0-7A to perform sampling and inspection on the placement of Cement Stabilized Sand used as backfill for the East Abutment. The sample was delivered to L&G Laboratory, Mission for laboratory testing. The samples were molded in accordance with ASTM D1632. The specimens will undergo Compressive Strength testing in accordance with ASTM D1633.

---

Specimen Number 1 was obtained and tested at 1:30 PM, and the following were determined:

<b>Concrete Temp:</b> _____	N/A	<b>Entrapped/Entrained Air Content:</b> _____	N/A
	Specification		Specification
<b>Ambient Temp:</b> 80°f	N/A	<b>Slump:</b> _____	N/A
	Specification		Specification

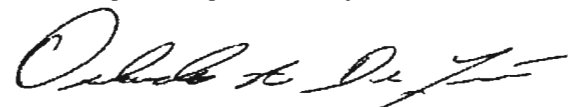
From Specimen Number 1, a total of four (4) 4x8 cylindrical test specimens were molded for Compressive Strength Testing at intervals of 2 and 7 days.

Remarks: Air Content & Slump were not performed.

Test Methods (If Applicable): ASTM D558, ASTM D559, ASTM D1632, ASTM D1633

Orig: Hidalgo County Drainage District No. 1  
(Edinburg, TX) Attn: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.)  
1-cc SER (SER Construction Partners, LTD)  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory



Orlando A. De Leon, Laboratory Manager

**CEMENT STABILIZED SAND  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A  
Client: Hidalgo County Drainage District No. 1  
Engineer: Dannenbaum Engineering Co., LLC  
Contractor: SER Construction Partners, LTD

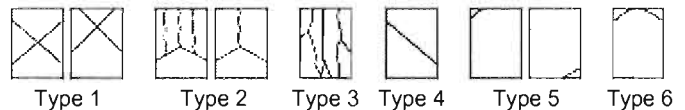
L&G Project Number: L871001  
L&G Report Number: R026-7  
Sample Date: 10/20/2010  
Date Reported: 10/27/2010

Page 1 of 1

Placement Location: Donna Canal Crossing Cement Stabilized Sand Backfill @ East Abutment  
 Mix ID: Cement Stabil Supplier: N/A  
 Specified Strength: 100 P.S.I. @ 2 days  
 Specified Slump: N/A Slump: \_\_\_\_\_  
 Specified Air Content: N/A Air Content: NA  
 Weather Conditions: Sunny & Windy Air Temp.: 88°F  
 Time Batched: 1:30 pm Time Sampled: 1:30 pm Concrete Temp.: \_\_\_\_\_  
 Plant Ticket No: N/A Truck No: N/A CY: \_\_\_\_\_  
 Water: lbs.

**Compressive Strength Data**

Set No.	Identification	Test Date	Age (days)	Maximum Load (pounds)	Break Type	Comp. Strength (psi)	Average Strength (psi)	% of Design
1	A	10/22/2010	2	1,418	Type 3	110		110.00%
	B	10/22/2010	2	1,851	Type 3	150	130	150.00%
	C	10/27/2010	7	2,360	Type 3	190		190.00%
	D	10/27/2010	7	2,330	Type 3	190	190	190.00%



**Remarks/Comments:**

Slump & Air Content not Determined.

Orig: Hidalgo County Drainage District No. 1  
(Edinburg, TX) Attn: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.)  
1-cc SER (SER Construction Partners, LTD)  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager



**REPORT OF SITE VISIT  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A

L&G Project Number: L871001

Client: Hidalgo County Drainage District No. 1

L&G Report Number: R027

Engineer: Dannenbaum Engineering Co., LLC

Sample Date: 10/21/2010

Contractor: SER Construction Partners, LTD

Date Reported: 10/21/2010

On October 21, 2010 a representative of L&G Engineering Laboratory was dispatched to DHS Segment 0-7A to perform sampling and inspection on the placement of Cement Stabilized Sand used as backfill on the East Abutment. The sample was delivered to L&G Laboratory, Mission for laboratory testing. The samples were molded in accordance with ASTM D1632. The specimens will undergo Compressive Strength testing in accordance with ASTM D 1633.

Specimen Number 2 was obtained and tested at 10:30 AM, and the following were determined:

<b>Concrete Temp:</b> _____	N/A	<b>Entrapped/Entrained Air Content:</b> _____	N/A
	Specification		Specification
<b>Ambient Temp:</b> 79°f	N/A	<b>Slump:</b> _____	N/A
	Specification		Specification

From Specimen Number 2, a total of four (4) 4x8 cylindrical test specimens were molded for Compressive Strength Testing at intervals of 2 and 7 days.

Remarks: Air Content & Slump were not performed.

Test Methods (If Applicable): ASTM D558, ASTM D559, ASTM D1632, ASTM D1633

Orig: Hidalgo County Drainage District No. 1  
(Edinburg, TX) Attn: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.)  
1-cc SER (SER Construction Partners, LTD)  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager



**CONCRETE COMPRESSION  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A  
Client: Hidalgo County Drainage District No. 1  
Engineer: Dannenbaum Engineering Co., LLC  
Contractor: SER Construction Partners, LTD

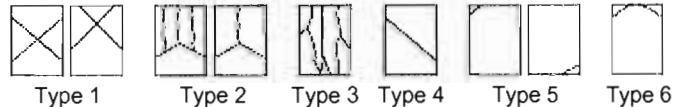
L&G Project Number: L871001  
L&G Report Number: R028-7  
Sample Date: 10/21/2010  
Date Reported: 10/28/2010

Page 1 of 1

Placement Location: Donna Canal Crossing Cement Stabilized Sand Backfill @ East Abutment  
Mix ID: N/A Supplier: N/A  
Specified Strength: 100 P.S.I. @ 2 days  
Specified Slump: N/A Slump: \_\_\_\_\_  
Specified Air Content: N/A Air Content: NA  
Weather Conditions: Sunny & Windy Air Temp.: 78°f  
Time Batched: 10:30 am Time Sampled: 11:30 am Concrete Temp.: \_\_\_\_\_  
Plant Ticket No: N/A Truck No: N/A CY: \_\_\_\_\_  
Water: lbs.

**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	10/23/2010	2	9,235	Type 3	730		730.00%
	B	10/23/2010	2	8,040	Type 3	640	690	640.00%
	C	10/28/2010	7	8,741	Type 3	700		700.00%
	D	10/28/2010	7	9,068	Type 3	720	710	720.00%



**Remarks/Comments:**

Slump & Air Content were not determined.

Orig: Hidalgo County Drainage District No. 1  
(Edinburg, TX) Attn: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.)  
1-cc SER (SER Construction Partners, LTD)  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager



**SIEVE ANALYSIS  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A

L&G Project Number: L871001

Client: Hidalgo County Drainage District No. 1

L&G Report Number: R029

Engineer: Dannenbaum Engineering Co., LLC

Sample Date: 10/21/2010

Contractor: SER Construction Partners, LTD

Date Reported: 10/21/2010

Material: Cement Stabilized Sand (Abutment Backfill)

<u>Sieve</u>	<u>% Passing</u>	<u>Low</u>	<u>High</u>
3/8 in	96	100.00	100.00
No. 4	69	95.00	100.00
No. 8	47	80.00	100.00
No. 16	36	50.00	85.00
No. 30	31	25.00	60.00
No. 50	23	5.00	30.00
No. 100	8	0	10.00

Remarks: Material failed to meet the requirements specified in ASTM C33  
Test Method (As Applicable): ASTM C136, ASTM C33

Orig: Hidalgo County Drainage District No. 1  
(Edinburg, TX) Attn: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.  
1-cc SER (SER Construction Partners, LTD)  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager



**FIELD DENSITIES  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A  
Client: Hidalgo County Drainage District No. 1  
Engineer: Dannenbaum Engineering Co., LLC  
Contractor: SER Construction Partners, LTD

L&G Project Number: L871001  
L&G Report Number: R030  
Sample Date: 10/22/2010  
Date Reported: 10/22/2010

Specification No.	Specification Required % Proctor	Moisture Tolerance	
		Minimum	Maximum
1	95	11.8	15.8

Proctor No	Optimum % Moisture	Opt. Density, LB/CF
L871001-21	13.8	112.1

**Material Description** Cement Stabilized Sand

Test No.	Test Location	Proctor No	Spec. No.	Moisture Content	Dry Density	Percent Compaction	Inches
1	Final Lift Cement Stabilized Sand (Abutment Backfill) 18'S. & 5'E. of N. Corner wall East Abutment	L871001-21	1	10.2%	113.9 pcf	101.6% (Fail)	12"

**Material Description** Subgrade/Roadway

Test No.	Test Location	Proctor No	Spec. No.	Moisture Content	Dry Density	Percent Compaction	Inches
2	(Informational) Roadway @ Sta. 48+86 East Side	L871001-21	1	12.3%	104.4 pcf	93.1% (Fail)	12"

Remarks: \*Test #2 was tested for informational proposes.  
Test Methods: ASTM D2922, D3017

Orig: Hidalgo County Drainage District No. 1  
(Edinburg, TX) Attn: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.)  
1-cc SER (SER Construction Partners, LTD)  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager

**PROCTOR  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A  
Client: Hidalgo County Drainage District No. 1  
Engineer: Dannenbaum Engineering Co., LLC  
Contractor: SER Construction Partners, LTD

L&G Project Number: L871001  
L&G Report Number: R031  
Sample Date: 10/22/2010  
Date Reported: 11/03/2010

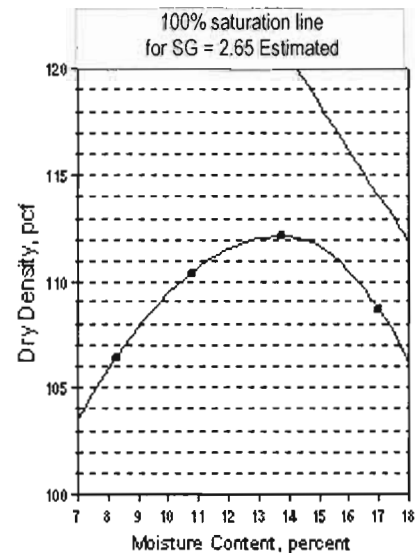
Compaction Method: ASTM D-698  
Material Description: Roadway Subgrade

Specific Gravity: 2.65

Liquid Limit: 33  
Plastic Limit: 15  
Plasticity Index: 18  
% Passing No. 200: 69.8  
Group Symbol: CL

Specimen No.:	1	2	3	4
Moisture, %:	8.3	10.8	13.8	16.9
Dry Density (pcf):	106.5	110.3	112.1	108.9

Maximum Dry Density in P.C.F.: 112.1  
Optimum Moisture (%): 13.8



Test Method: ASTM D-698 Method-A, ASTM D-4318, ASTM D-2487

Orig: Hidalgo County Drainage District No. 1  
(Edinburg, TX) Attn: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.)  
1-cc SER (SER Construction Partners, LTD)  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager



### PROCTOR TEST REPORT

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A

L&G Project Number: L871001

Client: Hidalgo County Drainage District No. 1

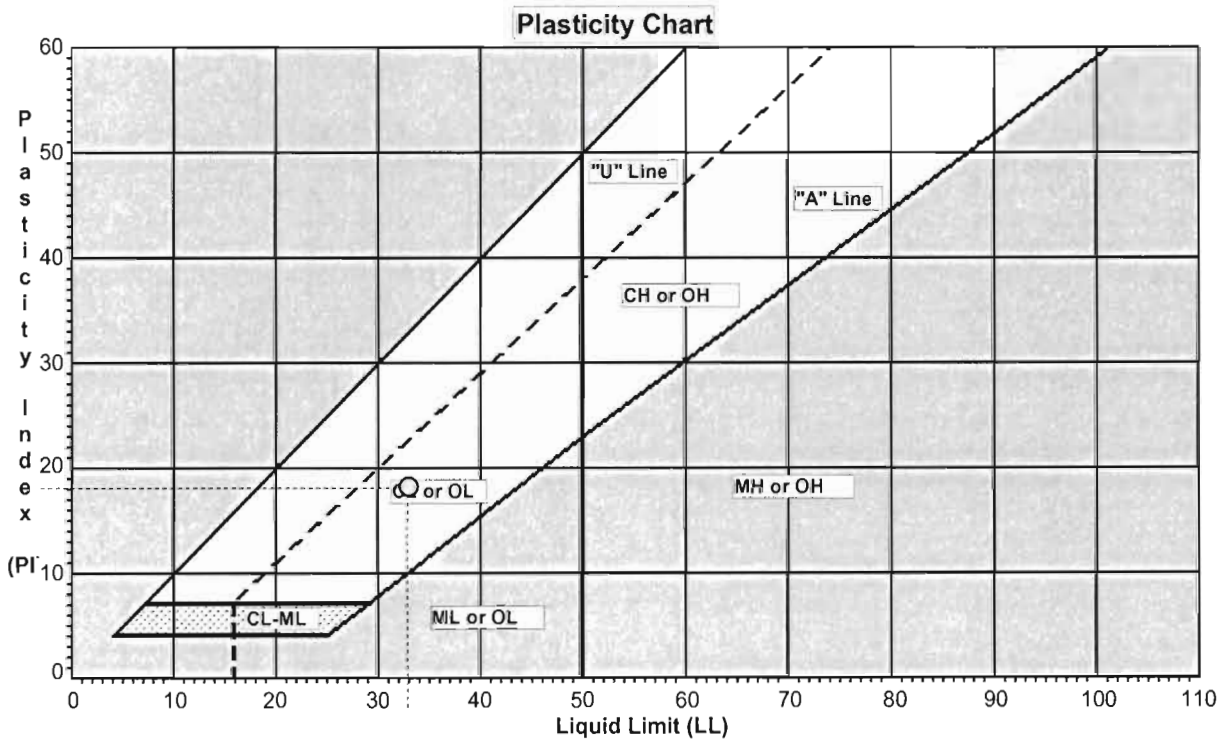
L&G Report Number: R031

Engineer: Dannenbaum Engineering Co., LLC

Sample Date: 10/22/2010

Contractor: SER Construction Partners, LTD

Date Reported: 11/03/2010



Orig: Hidalgo County Drainage District No. 1  
 (Edinburg, TX) Attn: Godfrey Garza  
 (1-cc copy)  
 1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
 Attn: Richard Seitz, P.E.)  
 1-cc SER (SER Construction Partners, LTD)  
 1-cc Dos Logistics Inc. Attn: Jose Reyes  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager



# L&G Engineering Laboratory

Construction Material Testing  
Geotechnical Engineering

2100 W. Expressway 83 Mercedes, TX 78570 (956) 565-0760  
900 S. Stewart Rd. Ste. 6 Mission, TX 78572 (956) 583-7117

## FIELD DENSITIES TEST REPORT

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A

L&G Project Number: L871001

Client: Hidalgo County Drainage District No. 1

L&G Report Number: R032

Engineer: Dannenbaum Engineering Co., LLC

Sample Date: 10/22/2010

Contractor: SER Construction Partners, LTD

Date Reported: 10/22/2010

Page 1 of 1

Specification No.	Specification Required	Moisture Tolerance	
	% Proctor	Minimum	Maximum
1	95	18.5	21.5

Proctor No	Optimum % Moisture	Opt. Density, LB/CF
L871001-15	18.5	103.9

### Material Description Borrow Material/Roadway

Test No.	Test Location	Proctor No	Spec. No.	Moisture Content	Dry Density	Percent Compaction	Inches
1	1st Lift @ Sta. 48+86 East Side	L871001-15	1	20.9%	105.4 pcf	101.4% (Pass)	6"

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: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.)  
1-cc SER (SER Construction Partners, LTD)  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager

**CONCRETE COMPRESSION  
 TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
 Segment 0-7A  
 Client: Hidalgo County Drainage District No. 1  
 Engineer: Dannenbaum Engineering Co., LLC  
 Contractor: SER Construction Partners, LTD

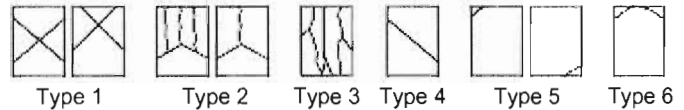
L&G Project Number: L871001  
 L&G Report Number: R033-28  
 Sample Date: 10/15/2010  
 Date Reported: 10/22/2010

Page 1 of 1

Placement Location: East Abutment head wall @ Sta. 48+66  
 Mix ID: 118 Supplier: J III Concrete  
 Specified Strength: 3,600 P.S.I. @ 28 days  
 Specified Slump: 5" Max Slump: 5.0"  
 Specified Air Content: 7.5 Max Air Content: 2.0%  
 Weather Conditions: Clear, Calm & Fresh Air Temp.: 76°F  
 Time Batched: 8:35 am Time Sampled: 9:35 am Concrete Temp.: 84°F  
 Plant Ticket No: 151827 Truck No: 199 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	10/22/2010	7	68,410	Type 3	2,420		67.22%
	B	10/22/2010	7	69,360	Type 3	2,450	2,440	68.06%
	C	11/12/2010	28	93,350	Type 3	3,300		91.67%
	D	11/12/2010	28	84,820	Type 2	3,000	3,150	83.33%



**Remarks/Comments:**

6 x 12 in. Cylinders; \*28-day Specimens failed to meet project specifications.

Orig: Hidalgo County Drainage District No. 1  
 (Edinburg, TX) Attn: Godfrey Garza  
 (1-cc copy)  
 1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
 Attn: Richard Seitz, P.E.)  
 1-cc SER (SER Construction Partners, LTD)  
 1-cc Dos Logistics Inc. Attn: Jose Reyes  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager

**FIELD DENSITIES  
 TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
 Segment 0-7A  
 Client: Hidalgo County Drainage District No. 1  
 Engineer: Dannenbaum Engineering Co., LLC  
 Contractor: SER Construction Partners, LTD

L&G Project Number: L871001  
 L&G Report Number: R034  
 Sample Date: 10/25/2010  
 Date Reported: 10/25/2010

Page 1 of 1

Specification No.	Specification Required % Proctor	Moisture Tolerance	
		Minimum	Maximum
1	95	18.5	21.5

Proctor No	Optimum % Moisture	Opt. Density, LB/CF
L871001-15	18.5	103.9

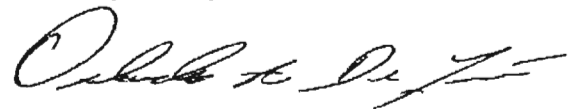
**Material Description** Borrow Material #2

Test No.	Test Location	Proctor No	Spec. No.	Moisture Content	Dry Density	Percent Compaction	Inches
1	2nd Lift Roadway Fill @ Sta. 48+86 East Side	L871001-15	1	19.0%	105.2 pcf	101.3% (Pass)	6"
2	3rd Lift Roadway Fill @ Sta. 48+86 East Side	L871001-15	1	21.5%	102.1 pcf	98.3% (Pass)	6"
3	4th Lift & Final Roadway Fill @ Sta. 48+86 East Side	L871001-15	1	20.7%	99.8 pcf	96.1% (Pass)	6"

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: Godfrey Garza  
 (1-cc copy)  
 1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
 Attn: Richard Seitz, P.E.)  
 1-cc SER (SER Construction Partners, LTD)  
 1-cc Dos Logistics Inc. Attn: Jose Reyes  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering Laboratory



Orlando A. De Leon, Laboratory Manager

## FIELD DENSITIES TEST REPORT

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A  
Client: Hidalgo County Drainage District No. 1  
Engineer: Dannenbaum Engineering Co., LLC  
Contractor: SER Construction Partners, LTD

L&G Project Number: L871001  
L&G Report Number: R035  
Sample Date: 10/26/2010  
Date Reported: 10/26/2010

Page 1 of 2

Specification No.	Specification Required % Proctor	Moisture Tolerance	
		Minimum	Maximum
1	95		
2	95	18.5	21.5

Proctor No	Optimum % Moisture	Opt. Density, LB/CF
L871001-15	18.5	103.9
L871001-21	13.8	112.1

**Material Description** Subgrade/Roadway

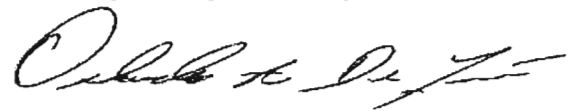
Test No.	Test Location	Proctor No	Spec. No.	Moisture Content	Dry Density	Percent Compaction	Inches
1	Roadway Subgrade @ Sta. 47+67 West Side	L871001-21	1	19.4%	106.6 pcf	95.1% (Pass)	6"

**Material Description** Borrow Material/Roadway

Test No.	Test Location	Proctor No	Spec. No.	Moisture Content	Dry Density	Percent Compaction	Inches
2	1st Lift Roadway @ Sta. 47+67 West Side	L871001-15	2	19.5%	103.7 pcf	99.8% (Pass)	6"
3	2nd Lift Roadway @ Sta. 47+67 West Side	L871001-15	2	21.2%	102.1 pcf	98.3% (Pass)	6"
4	3rd Lift Roadway @ Sta. 47+67 West Side	L871001-15	2	20.6%	100.8 pcf	97.0% (Pass)	6"

Orig: Hidalgo County Drainage District No. 1  
(Edinburg, TX) Attn: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.)  
1-cc SER (SER Construction Partners, LTD)  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory



Orlando A. De Leon, Laboratory Manager

**FIELD DENSITIES  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A

L&G Project Number: L871001

Client: Hidalgo County Drainage District No. 1

L&G Report Number: R035

Engineer: Dannenbaum Engineering Co., LLC

Sample Date: 10/26/2010

Contractor: SER Construction Partners, LTD

Date Reported: 10/26/2010

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**Page 2 of 2**

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: Godfrey Garza  
(1-cc copy)

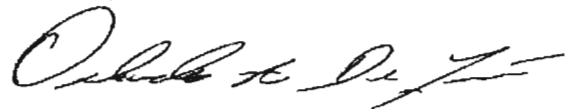
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.)

1-cc SER (SER Construction Partners, LTD)

1-cc Dos Logistics Inc. Attn: Jose Reyes

1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory



---

Orlando A. De Leon, Laboratory Manager



**REPORT OF SITE VISIT  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A

L&G Project Number: L871001

Client: Hidalgo County Drainage District No. 1

L&G Report Number: R036

Engineer: Dannenbaum Engineering Co., LLC

Sample Date: 10/27/2010

Contractor: SER Construction Partners, LTD

Date Reported: 10/27/2010

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Page 1 of 1

On October 27, 2010 a representative of L&G Engineering Laboratory was dispatched to DHS Segment 0-7A to perform field densities on roadway. The Contractor Javier Ambriz with Ramos Industries notified our technician that they were not ready for testing. Hector Cantu with Dos Logistics was also notified.

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: Godfrey Garza  
(1-cc copy)

1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.)

1-cc SER (SER Construction Partners, LTD)

1-cc Dos Logistics Inc. Attn: Jose Reyes

1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager



**FIELD DENSITIES  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A

L&G Project Number: L871001

Client: Hidalgo County Drainage District No. 1

L&G Report Number: R037

Engineer: Dannenbaum Engineering Co., LLC

Sample Date: 10/28/2010

Contractor: SER Construction Partners, LTD

Date Reported: 10/28/2010

Specification No.	Specification Required	Moisture Tolerance	
	% Proctor	Minimum	Maximum
1	95	18.5	21.5

Proctor No	Optimum % Moisture	Opt. Density, LB/CF
L871001-15	18.5	103.9

**Material Description** Borrow Material #2/Roadway & Ramp

Test No.	Test Location	Proctor No	Spec. No.	Moisture Content	Dry Density	Percent Compaction	Inches
1	4th Lift Roadway Fill @ Sta. 47+67 West Side	L871001-15	1	21.1%	102.4 pcf	98.6% (Pass)	6"
2	5th Lift Roadway Fill @ Sta. 47+67 West Side	L871001-15	1	19.1%	100.0 pcf	96.2% (Pass)	6"
3	6th Lift Roadway Fill @ Sta. 47+67 West Side	L871001-15	1	19.2%	103.0 pcf	99.1% (Pass)	6"
4	1st Lift Roadway Ramp @ Sta. 47+57 West Side	L871001-15	1	21.2%	101.6 pcf	97.8% (Pass)	6"

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: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.)  
1-cc SER (SER Construction Partners, LTD)  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager

## FIELD DENSITIES TEST REPORT

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
 Segment 0-7A  
 Client: Hidalgo County Drainage District No. 1  
 Engineer: Dannenbaum Engineering Co., LLC  
 Contractor: SER Construction Partners, LTD

L&G Project Number: L871001  
 L&G Report Number: R038  
 Sample Date: 10/29/2010  
 Date Reported: 10/29/2010

Page 1 of 1

Specification No.	Specification Required % Proctor	Moisture Tolerance	
		Minimum	Maximum
1	95	18.5	21.3

Proctor No	Optimum % Moisture	Opt. Density, LB/CF
L871001-15	18.5	103.9

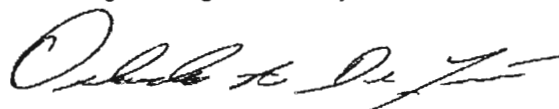
**Material Description** Borrow Material/Roadway

Test No.	Test Location	Proctor No	Spec. No.	Moisture Content	Dry Density	Percent Compaction	Inches
1	7th Lift Roadway Fill @ Sta. 47+67 West Side	L871001-15	1	20.9%	104.1 pcf	100.2% (Pass)	6"
2	8th Lift Roadway Fill @ Sta. 47+67 West Side	L871001-15	1	20.4%	104.1 pcf	100.2% (Pass)	6"

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: Godfrey Garza  
 (1-cc copy)  
 1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
 Attn: Richard Seitz, P.E.)  
 1-cc SER (SER Construction Partners, LTD)  
 1-cc Dos Logistics Inc. Attn: Jose Reyes  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering Laboratory



Orlando A. De Leon, Laboratory Manager



**FIELD DENSITIES  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A

L&G Project Number: L871001

Client: Hidalgo County Drainage District No. 1

L&G Report Number: R039

Engineer: Dannenbaum Engineering Co., LLC

Sample Date: 11/01/2010

Contractor: SER Construction Partners, LTD

Date Reported: 11/01/2010

Specification No.	Specification Required	Moisture Tolerance	
	% Proctor	Minimum	Maximum
1	95	18.5	21.5

Proctor No	Optimum % Moisture	Opt. Density, LB/CF
L871001-15	18.5	103.9

**Material Description** Borrow Material #2/Roadway

Test No.	Test Location	Proctor No	Spec. No.	Moisture Content	Dry Density	Percent Compaction	Inches
1	9th Lift @ Sta. 47+67 Roadway Fill West Side	L871001-15	1	20.9%	102.4 pcf	98.6% (Pass)	6"

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: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.)  
1-cc SER (SER Construction Partners, LTD)  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager



**REPORT OF SITE VISIT  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A

L&G Project Number: L871001

Client: Hidalgo County Drainage District No. 1

L&G Report Number: R040

Engineer: Dannenbaum Engineering Co., LLC

Sample Date: 11/01/2010

Contractor: SER Construction Partners, LTD

Date Reported: 11/01/2010

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**Page 1 of 1**

On November 1, 2010 a representative of L&G Engineering Laboratory was dispatched to DHS Segment 0-7A to perform field density test. Javier with Ramos Industries was not ready for testing due to an equipment break.

Orig: Hidalgo County Drainage District No. 1  
(Edinburg, TX) Attn: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.)  
1-cc SER (SER Construction Partners, LTD)  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory

---

Orlando A. De Leon, Laboratory Manager



**REPORT OF SITE VISIT  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A

L&G Project Number: L871001

Client: Hidalgo County Drainage District No. 1

L&G Report Number: R041

Engineer: Dannenbaum Engineering Co., LLC

Sample Date: 11/02/2010

Contractor: SER Construction Partners, LTD

Date Reported: 11/02/2010

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Page 1 of 1

On November 2, 2010 a representative of L&G Engineering Laboratory was dispatched to DHS Segment 0-7A to perform field densities on the roadway. The contractor was not ready for testing due to the machinery being under maintenance as per Javier with Ramos Industry.

Orig: Hidalgo County Drainage District No. 1  
(Edinburg, TX) Attn: Godfrey Garza  
(1-cc copy)

1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.

1-cc SER (SER Construction Partners, LTD)

1-cc Dos Logistics Inc. Attn: Jose Reyes

1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory

---

Orlando A. De Leon, Laboratory Manager

## FIELD DENSITIES TEST REPORT

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A  
Client: Hidalgo County Drainage District No. 1  
Engineer: Dannenbaum Engineering Co., LLC  
Contractor: SER Construction Partners, LTD

L&G Project Number: L871001  
L&G Report Number: R042  
Sample Date: 11/02/2010  
Date Reported: 11/02/2010

Page 1 of 1

Specification No.	Specification Required % Proctor	Moisture Tolerance	
		Minimum	Maximum
1	95	18.5	21.5

Proctor No	Optimum % Moisture	Opt. Density, LB/CF
L871001-15	18.5	103.9

**Material Description** Borrow Material #2/Roadway Fill

Test No.	Test Location	Proctor No	Spec. No.	Moisture Content	Dry Density	Percent Compaction	Inches
1	10th Lift @ Sta. 47+67 Roadway Fill West Side	L871001-15	1	20.2%	103.7 pcf	99.8% (Pass)	6"

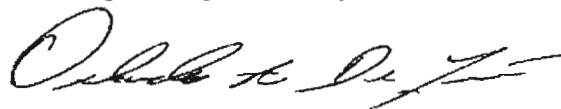
**Material Description** Borrow Material #2/Ramp Fill

Test No.	Test Location	Proctor No	Spec. No.	Moisture Content	Dry Density	Percent Compaction	Inches
2	2nd Lift @ Sta. 47+50 Ramp Fill	L871001-15	1	18.5%	99.0 pcf	95.3% (Pass)	6"

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: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.)  
1-cc SER (SER Construction Partners, LTD)  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory



Orlando A. De Leon, Laboratory Manager



**FIELD DENSITIES  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A

L&G Project Number: L871001

Client: Hidalgo County Drainage District No. 1

L&G Report Number: R043

Engineer: Dannenbaum Engineering Co., LLC

Sample Date: 11/03/2010

Contractor: SER Construction Partners, LTD

Date Reported: 11/03/2010

Specification No.	Specification Required % Proctor	Moisture Tolerance	
		Minimum	Maximum
1	95	18.5	21.5

Proctor No	Optimum % Moisture	Opt. Density, LB/CF
L871001-15	18.5	103.9

**Material Description** Borrow Material #2/Roadway Fill

Test No.	Test Location	Proctor No	Spec. No.	Moisture Content	Dry Density	Percent Compaction	Inches
1	11th Lift @ Sta. 47+67 Roadway Fill West Side	L871001-15	1	20.1%	105.7 pcf	101.7% (Pass)	6"

**Material Description** Borrow Material #2/Ramp Fill

Test No.	Test Location	Proctor No	Spec. No.	Moisture Content	Dry Density	Percent Compaction	Inches
2	3rd Lift @ Sta. 47+20 Ramp Fill West Side	L871001-15	1	19.8%	102.8 pcf	98.9% (Pass)	6"
3	4th Lift @ Sta. 47+10 Ramp Fill West Side	L871001-15	1	20.8%	101.4 pcf	97.6% (Pass)	6"
4	5th Lift @ Sta. 47+50 Ramp Fill West Side	L871001-15	1	20.6%	99.2 pcf	95.5% (Pass)	6"
5	6th Lift @ Sta. 47+57 Ramp Fill West Side	L871001-15	1	20.1%	104.9 pcf	101.0% (Pass)	6"
6	7th Lift @ Sta. 47+55 Ramp Fill West Side	L871001-15	1	20.7%	101.9 pcf	98.1% (Pass)	6"
7	8th Lift @ Sta. 47+55 Ramp Fill West Side	L871001-15	1	21.2%	103.3 pcf	99.4% (Pass)	6"

Orig: Hidalgo County Drainage District No. 1  
(Edinburg, TX) Attn: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.)  
1-cc SER (SER Construction Partners, LTD)  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager

**FIELD DENSITIES  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A

L&G Project Number: L871001

Client: Hidalgo County Drainage District No. 1

L&G Report Number: R043

Engineer: Dannenbaum Engineering Co., LLC

Sample Date: 11/03/2010

Contractor: SER Construction Partners, LTD

Date Reported: 11/03/2010

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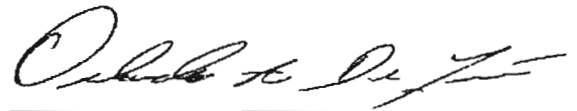
**Page 2 of 2**

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: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.)  
1-cc SER (SER Construction Partners, LTD)  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory



Orlando A. De Leon, Laboratory Manager

**FIELD DENSITIES  
 TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
 Segment 0-7A  
 Client: Hidalgo County Drainage District No. 1  
 Engineer: Dannenbaum Engineering Co., LLC  
 Contractor: SER Construction Partners, LTD

L&G Project Number: L871001  
 L&G Report Number: R044  
 Sample Date: 11/04/2010  
 Date Reported: 11/04/2010

Specification No.	Specification Required % Proctor	Moisture Tolerance	
		Minimum	Maximum
1	95	18.5	21.5

Proctor No	Optimum % Moisture	Opt. Density, LB/CF
L871001-15	18.5	103.9

**Material Description** Borrow Material #2/Ramp Fill

Test No.	Test Location	Proctor No	Spec. No.	Moisture Content	Dry Density	Percent Compaction	Inches
1	9th Lift @ Sta. 47+52 Ramp Fill West Side	L871001-15	1	20.4%	104.2 pcf	100.3% (Pass)	6"

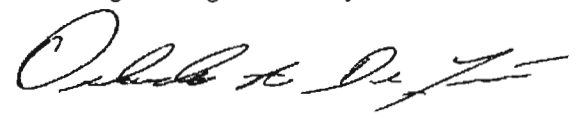
**Material Description** Borrow Material #2/Roadway Fill

Test No.	Test Location	Proctor No	Spec. No.	Moisture Content	Dry Density	Percent Compaction	Inches
2	12th Lift @ Sta. 47+67 Roadway Fill West Side	L871001-15	1	19.3%	104.9 pcf	101.0% (Pass)	6"

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: Godfrey Garza  
 (1-cc copy)  
 1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
 Attn: Richard Seitz, P.E.)  
 1-cc SER (SER Construction Partners, LTD)  
 1-cc Dos Logistics Inc. Attn: Jose Reyes  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering Laboratory



Orlando A. De Leon, Laboratory Manager

## FIELD DENSITIES TEST REPORT

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A  
Client: Hidalgo County Drainage District No. 1  
Engineer: Dannenbaum Engineering Co., LLC  
Contractor: SER Construction Partners, LTD

L&G Project Number: L871001  
L&G Report Number: R045  
Sample Date: 11/05/2010  
Date Reported: 11/05/2010

Page 1 of 1

Specification No.	Specification Required % Proctor	Moisture Tolerance	
		Minimum	Maximum
1	95	18.5	21.5

Proctor No	Optimum % Moisture	Opt. Density, LB/CF
L871001-15	18.5	103.9

**Material Description** Borrow Material/Slope

Test No.	Test Location	Proctor No	Spec. No.	Moisture Content	Dry Density	Percent Compaction	Inches
1	1st Lift Slope Fill 20'S. & 48'W. @ Sta. 47+57 West side/River side	L871001-15	1	21.4%	101.6 pcf	97.8% (Pass)	6"
2	2nd Lift Slope Fill 20'S. & 40'W. of Sta. 47+57 West side/River side	L871001-15	1	19.3%	99.6 pcf	95.9% (Pass)	6"

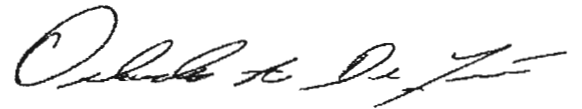
**Material Description** Borrow Material/Ramp

Test No.	Test Location	Proctor No	Spec. No.	Moisture Content	Dry Density	Percent Compaction	Inches
3	10th Lift Ramp Fill @ Sta. 47+50 West side	L871001-15	1	20.8%	99.5 pcf	95.8% (Pass)	6"

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: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.)  
1-cc SER (SER Construction Partners, LTD)  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory



Orlando A. De Leon, Laboratory Manager

**FIELD DENSITIES  
 TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
 Segment 0-7A  
 Client: Hidalgo County Drainage District No. 1  
 Engineer: Dannenbaum Engineering Co., LLC  
 Contractor: SER Construction Partners, LTD

L&G Project Number: L871001  
 L&G Report Number: R046  
 Sample Date: 11/09/2010  
 Date Reported: 11/09/2010

Page 1 of 1

Specification No.	Specification Required % Proctor	Moisture Tolerance	
		Minimum	Maximum
1	95	18.5	21.5

Proctor No	Optimum % Moisture	Opt. Density, LB/CF
L871001-15	18.5	103.9

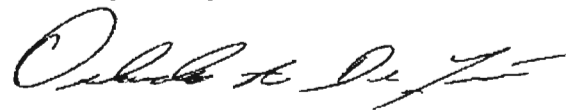
Material Description Borrow Material #2/Slope Fill

Test No.	Test Location	Proctor No	Spec. No.	Moisture Content	Dry Density	Percent Compaction	Inches
1	3rd Lift Slope Fill @ Sta. 47+57 West Side/River side	L871001-15	1	20.3%	101.4 pcf	97.6% (Pass)	6"

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: Godfrey Garza  
 (1-cc copy)  
 1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
 Attn: Richard Seitz, P.E.)  
 1-cc SER (SER Construction Partners, LTD)  
 1-cc Dos Logistics Inc. Attn: Jose Reyes  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering Laboratory



Orlando A. De Leon, Laboratory Manager



**REPORT OF SITE VISIT  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A

L&G Project Number: L871001

Client: Hidalgo County Drainage District No. 1

L&G Report Number: R047

Engineer: Dannenbaum Engineering Co., LLC

Sample Date: 11/12/2010

Contractor: SER Construction Partners, LTD

Date Reported: 11/11/2010

On November 12, 2010 a representative of L&G Engineering Laboratory was dispatched to DHS Segment 0-7A to perform sampling and inspection on the placement of Cement Stabilized Sand used as backfill on the East Abutment. The sample was delivered to L&G Laboratory, Mission for laboratory testing. The samples were molded in accordance with ASTM D1632. The specimens will undergo Compressive Strength Testing in accordance with ASTM D 1633.

Specimen Number 3 was obtained and tested at 11:20 AM, and the following were determined:

<b>Concrete Temp:</b> _____	N/A	<b>Entrapped/Entrained Air Content:</b> _____	N/A
	Specification		Specification
<b>Ambient Temp:</b> 85°f	N/A	<b>Slump:</b> _____	N/A
	Specification		Specification

From Specimen Number 3, a total of four (4) 4x8 cylindrical test specimens were molded for Compressive Strength Testing at intervals of 2 and 7 days.

Test Methods (If Applicable): ASTM D558, ASTM D559, ASTM D1632, ASTM D1633

Orig: Hidalgo County Drainage District No. 1  
(Edinburg, TX) Attn: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.)  
1-cc SER (SER Construction Partners, LTD)  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager

**REPORT OF SITE VISIT  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A

L&G Project Number: L871001

Client: Hidalgo County Drainage District No. 1

L&G Report Number: R048

Engineer: Dannenbaum Engineering Co., LLC

Sample Date: 11/12/2010

Contractor: SER Construction Partners, LTD

Date Reported: 11/12/2010

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Page 1 of 1

On November 12, 2010 a representative of L&G Engineering Laboratory was dispatched to DHS Segment 0-7A to perform sampling and inspection on the placement of Cement Stabilized Sand used as backfill on the East Abutment. The sample was delivered to L&G Laboratory, Mission for laboratory testing. The samples were molded in accordance with ASTM D1632. The specimens will undergo Compressive Strength testing in accordance with ASTM D 1633.

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Specimen Number 4 was obtained and tested at 1:15 PM, and the following were determined:

<b>Concrete Temp:</b> _____	N/A	<b>Entrapped/Entrained Air Content:</b> _____	N/A
	Specification		Specification
<b>Ambient Temp:</b> _____	N/A	<b>Slump:</b> _____	N/A
	Specification		Specification

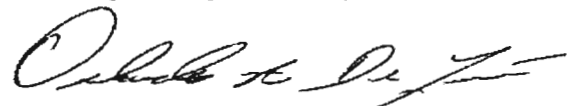
From Specimen Number 4, a total of four (4) 4x8 cylindrical test specimens were molded for Compressive Strength Testing at intervals of 2 and 7 days.

---

Test Methods (If Applicable): ASTM D558, ASTM D559, ASTM D1632, ASTM D1633

Orig: Hidalgo County Drainage District No. 1  
(Edinburg, TX) Attn: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.)  
1-cc SER (SER Construction Partners, LTD)  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory



Orlando A. De Leon, Laboratory Manager

**CONCRETE COMPRESSION  
 TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
 Segment 0-7A  
 Client: Hidalgo County Drainage District No. 1  
 Engineer: Dannenbaum Engineering Co., LLC  
 Contractor: SER Construction Partners, LTD

L&G Project Number: L871001  
 L&G Report Number: R049-7  
 Sample Date: 11/11/2010  
 Date Reported: 11/13/2010

Page 1 of 1

Placement Location: West Abutment  
 Mix ID: N/A Supplier: N/A  
 Specified Strength: 100 P.S.I. @ 2 days  
 Specified Slump: N/A Slump:           
 Specified Air Content: N/A Air Content: NA  
 Weather Conditions: Sunny, Warm & Windy Air Temp.: 85°f  
 Time Batched: 11:02 am Time Sampled: 11:20 am Concrete Temp.:           
 Plant Ticket No: N/A Truck No: N/A CY:           
 Water: lbs.

**Compressive Strength Data**

Set No.	Identification	Test Date	Age (days)	Maximum Load (pounds)	Break Type	Comp. Strength (psi)	Average Strength (psi)	% of Design
3	A	11/13/2010	2	2,717	Type 3	220		220.00%
	B	11/13/2010	2	2,954	Type 3	240	230	240.00%
	C	11/18/2010	7	4,510	Type 3	360		360.00%
	D	11/18/2010	7	4,550	Type 3	360	360	360.00%



**Remarks/Comments:**  
 6 x 12 in. Cylinders

Orig: Hidalgo County Drainage District No. 1  
 (Edinburg, TX) Attn: Godfrey Garza  
 (1-cc copy)  
 1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
 Attn: Richard Seitz, P.E.)  
 1-cc SER (SER Construction Partners, LTD)  
 1-cc Dos Logistics Inc. Attn: Jose Reyes  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager

**CONCRETE COMPRESSION  
TEST REPORT**

Project Description: Extension to Donna Port of Entry Improvements Project DHS  
Segment 0-7A

L&G Project Number: L871001

Client: Hidalgo County Drainage District No. 1

L&G Report Number: R050-7

Engineer: Dannenbaum Engineering Co., LLC

Sample Date: 11/12/2010

Contractor: SER Construction Partners, LTD

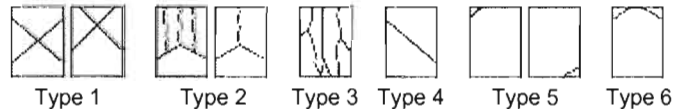
Date Reported: 11/14/2010

Page 1 of 1

Placement Location: West Abutment  
 Mix ID: N/A Supplier: N/A  
 Specified Strength: 100 P.S.I. @ 2 days  
 Specified Slump: N/A Slump: \_\_\_\_\_  
 Specified Air Content: N/A Air Content: NA  
 Weather Conditions: Sunny, Warm & Windy Air Temp.: 85°f  
 Time Batched: 1:15 pm Time Sampled: 12:30 pm Concrete Temp.: \_\_\_\_\_  
 Plant Ticket No: N/A Truck No: N/A CY: \_\_\_\_\_  
 Water: lbs.

**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	11/14/2010	2	1,670	Type 3	130		130.00%
	B	11/14/2010	2	1,950	Type 3	160	140	160.00%
	C	11/19/2010	7	2,717	Type 3	220		220.00%
	D	11/19/2010	7	2,954	Type 3	240	230	240.00%



**Remarks/Comments:**

6 x 12 in. Cylinders

Orig: Hidalgo County Drainage District No. 1  
(Edinburg, TX) Attn: Godfrey Garza  
(1-cc copy)  
1-cc Dannenbaum Engineering Company (Dannenbaum Engineering  
Attn: Richard Seitz, P.E.)  
1-cc SER (SER Construction Partners, LTD)  
1-cc Dos Logistics Inc. Attn: Jose Reyes  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory

Orlando A. De Leon, Laboratory Manager

**Financial Advisory Services  
DRAINAGE DISTRICT**

Date: 05/17/2011  
Submitted By: Jaime Salazar, DRAINAGE DISTRICT  
Submitted For: Jaime Salazar  
Department: DRAINAGE DISTRICT

Information

CAPTION

A. Presentation of scoring grid from sole firm in connection with the Request for Proposals No. 11-008-04-27 "Hidalgo County Drainage District No.1-Financial Advisory Services".

Firm	Score
First Southwest	98

B. Requesting authority for Hidalgo County Drainage District No.1 to proceed to negotiate a letter of engagement/agreement with \_\_\_\_\_ for the provision of "Financial Advisory Services.

BACKGROUND

Fiscal Impact

Attachments

Link: [evaluation criteria](#)

Link: [participating log](#)

Form Routing/Status

Route Seq	Inbox	Approved By	Date	Status
1	Budget & Management	Erika Zamora	05/11/2011 04:25 PM	APRV
2	Manuel Chapa	Manuel Chapa	05/12/2011 11:42 AM	APRV
3	Final Approval		05/12/2011 05:04 PM	NEW
Form Started By: Jaime Salazar			Started On: 05/11/2011 03:39 PM	
Final Approval Date: 05/12/2011				



## HIDALGO COUNTY DRAINAGE DISTRICT NO.1

RFP-FINANCIAL ADVISORY SERVICES

RFP No.: 11-008-04-27

PARTICIPATING BIDDER'S LOG

**ACCEPTANCE DATE:** April 27, 2011

**RFB ACCEPTANCE TIME:** 9:30 A.M.

<u>NAME OF COMPANY/FIRM</u>	RFB REQUEST *VIA	SIGNATURE (IF APPLICABLE) OR INITIALS OF STAFF ADDRESSING MAIL OUT	DATE	ADDRESS & PHONE NO.
FIRST SOUTHWEST	EMAIL	ATTN: TROY MADRES, VP	04/11/2011	300 W. SIXTH STREET SUITE 1940 AUSTIN, TX 78701 512-481-2015 FAX: 214-840-5074
WEAVER	EMAIL	ATTN: VICTOR SU, MBA	04/11/2011	12221 MERIT DRIVE SUITE 1400 DALLAS, TX 75251 972-490-1970 FAX: 972-702-8321
CUTWATER ASSET MANAGEMENT	EMAIL	ATTN: PAM ERENBERG	04/11/2011	
WILLIDAN FINANCIAL SERVICES	EMAIL	ATTN: ARLENE ROMANELLI	04/04/2011	27368 VIA INDUSTRIA, SUITE 110 TEMECULA, CALIFORNIA 92590 951-587-3587 FAX: 951-587-3510