



AGENDA
DRAINAGE DISTRICT
BOARD OF DIRECTORS
June 17, 2014
9:00 A.M.

NOTICE is hereby given in accordance with Chapter 551, Texas Government Code, that a SPECIAL MEETING of the Drainage District #1 Board of Directors will be held at the Edinburg Council Chambers, 415 W. University Drive, Edinburg, Hidalgo County, Texas. Discussion and possible action relating to the following business will be transacted:

1. **Roll Call**
2. **Open Forum**
3. **Approval of Consent Agenda**
4. **AI-44919** Update on the Delta Watershed Project.
5. **AI-44832** Presentation of the Statements of Qualifications received for "RFQ No: HCDD1-14-140-06-04-vyg- with title of: "Professional Legal Services-Review of Agreement between HCDD#1 & Integ Corporation" for Hidalgo County Drainage District No. 1 with the request to designate/appoint and approve a Committee to score, grade & evaluate the SOQs as the RFQ procurement packet details/dictates in order to proceed with the next step of the selection process.
6. **AI-44991**
 - A.) Requesting approval to accept bid and award contract to Sole Bidder meeting all specified requirements for RFB No.: HCDD1-14-012-06-04 "Gasoline, On & Off Highway Diesel Fuel".
 - B.) Requesting approval of Draft Specifications and approval to advertise for RFB No.: HCDD1-14-017-07-16 "Reinforced Concrete Pipe-Tongue & Groove, Reinforced Concrete Pipe-Rubber Gasket, Box Culvert(Less than 2' Fill), Box Culvert (More than 2' Fill)".
 - C.) Requesting approval to issue purchase orders to R. Gutierrez Engineering Corp. in the amount not to exceed \$19,624.70 as it relates to Construction Material Testing for FM 495 Drain-Trenton & Wisconsin Road Field Crossing.
7. **AI-44995** Discussion and action to approve First Amendment Between TheCounty of Hidalgo,The Edinburg Consolidated Independent School District, The City of McAllen And The Hidalgo County Drainage District No. 1; regarding Mile 17 1/2 Road project.

8. **AI-44998** Discussion and action to approve Interlocal Cooperation Agreement Between Hidalgo County And Hidalgo County Drainage District No.1 as it pertains to maintenance of Drainage Facilities, as outline in attached agreement.
9. **AI-45069 2013 Bond Series-Payments:**
 - A. Request Approval of Application of Payment No. 3 in the amount of \$190,210.96 from Rojas Construction & Paving, LLC related to Contract No. HCDD1-14-001-01-21 Pct.2 Rural Drainage Development -Northside Village/Hidden Valley Subd Area Drainage Improvements from Agreement for Professional Engineering Services for the 2012 Bond Referendum Rural Drainage Development Program Pct.2
 - B. Request approval of Estimate No. 5 to IPR South Central, LLC in the amount of \$750, 618.75 pertaining to Contract No. TP07-13 through the District's membership with HGAC-Buy Member No.07-149 approved by Board on 11-12-2013 for the construction of the Rado Drain Reroute Rehabilitation
10. **Closed Session:**

Board of Directors may go into Closed Session pursuant to Chapter 551, Texas Government Code, Sections 551.071 & 551.072 to discuss the following:

 - A. **Real Estate Acquisition**
 - B. **Pending and/or Potential Litigation**
11. **Open Session:**
 - A. **Real Estate Acquisition**
 - B. **Pending and/or Potential Litigation**
12. **Closed Session:**

Board of Directors may reconvene into Closed Session for the discussion regarding the agenda items listed
13. **Open Session:**

Board of Directors may reconvene into Open Session for the discussion regarding the agenda items listed
14. **Adjourn**

AI-44919

4.

DRAINAGE DISTRICT

Meeting Date: 06/17/2014

Submitted By: Sylvia Sanchez, DRAINAGE
DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

Update on the Delta Watershed Project.

BACKGROUND

Form Review

Inbox	Reviewed By	Date
Budget & Management	Debbie Tamez	06/06/2014 04:55 PM
Final Approval	Monica Badillo	06/13/2014 05:17 PM
Form Started By: Sylvia Sanchez		Started On: 06/06/2014 10:58 AM
	Final Approval Date: 06/13/2014	

AI-44832

5.

DRAINAGE DISTRICT

Meeting Date: 06/17/2014

Submitted For: Martha L. Salazar, HC-PA

Submitted By: Vangie Garcia, PURCHASING DEPT.

Department: PURCHASING DEPT.

Information

CAPTION

Presentation of the Statements of Qualifications received for "RFQ No: HCDD1-14-140-06-04-vyg- with title of: "Professional Legal Services-Review of Agreement between HCDD#1 & Integ Corporation" for Hidalgo County Drainage District No. 1 with the request to designate/appoint and approve a Committee to score, grade & evaluate the SOQs as the RFQ procurement packet details/dictates in order to proceed with the next step of the selection process.

BACKGROUND

Fiscal Impact

FISCAL YEAR: 2014

ACCOUNT #: 110-433-006-43330

FUNDS AVAILABLE? Y/N:

MATCHING FUNDS? Y/N:

BUDGETARY IMPACT:

FISCAL YEAR:

ACCOUNT #:

FUNDS AVAILABLE? Y/N:

MATCHING FUNDS? Y/N:

BUDGETARY IMPACT:

Assigned PO by Drainage District: 624767

Attachments

Participation Sheet

RFQ Acceptance Sheet

Form Review

Inbox	Reviewed By	Date
Budget & Management	Debbie Tamez	06/04/2014 01:36 PM
Final Approval	Monica Badillo	06/06/2014 03:39 PM
Purchasing Department	Marty Salazar	06/06/2014 04:43 PM
Form Started By: Vangie Garcia		Started On: 06/02/2014 08:33 AM
	Final Approval Date: 06/06/2014	

**HIDALGO COUNTY PURCHASING DEPARTMENT
PARTICIPATING VENDOR'S LOG
REQUIREMENTS/RFQ&P PACKETS

IBF-RFB-RFP-RFQ-RFQ&P-RFI**

RFQ ACCEPTANCE DATE: JUNE 4, 2014

RFQ ACCEPTANCE TIME: 9:30 A.M.

DEPARTMENT/RFQ DESCRIPTION: "Professional Legal Services-Hidalgo County Drainage District No. 1".

RFQ NO: HCDD1-14-140-06-04-VYG

NAME OF BIDDER: COMPANY/FIRM & REPRESENTATIVE'S NAME		RFQ REQUEST	SIGNATURE APPLICABLE) OR INITIALS OF STAFF ADDRESSING MAIL OUT	(IF DATE	PHYSICAL ADDRESS CITY, STATE, ZIP CODE PHONE & FAX NUMBERS
01	LAW OFFICE OF GILBERTO HINOJOSA CYNTHIA HINOJOSA	EMAILED		05/12/14	622 E. ST. CHARLES BROWNSVILLE, TX. 78520 956-544-4218-OFFICE
02	ELIZABETH VAN DYK/PATTON BOGGS LLP	EMAILED		05/13/14	2550 M. STREET NW WASHINGTON, DC. 20037 202-457-5654-OFFICE 703-786-6013-CELL
03	PRIME VENDOR, INC. ASHLEY REED	EMAILED		05/13/14	4622 CEDAR AVE. SUITE 124 WILMINGTON, NC. 28403 800-746-9554-OFFICE 800-746-8307-FAX
04	RENO &CAVANAUGH PLLC TORI PATTERSON	EMAILED		05/14/14	455 MASSACHUSETTS AVE. NW. SUITE 400 WASHINGTON, DC 20001 202-349-2446-OFFICE
05	SEVENOUTSOURCE.COM CHRISTINA MILLER	EMAILED		05/14/14	616 CORPORATE WAY, STE 2-5122 VALLEY COTTAGE, NY 10989 315-308-7852-OFFICE 315-702-0205-FAX
06	JACKSON LEWIS P.C. SONYA M.M. COLEMAN	EMAILED		05/14/14	2398 E. CAMELBACK RD., S. 1060 PHOENIX, ARIZONA 85016 602-714-7044-MAIN 602-714-7074-DIRECT 602-714-7045-FAX
07	WILKINS FINSTON LAW GROUP LLP LINDA WILKINS	EMAILED		05/19/14	LWilkins@wifilawgroup.com 972-638-8390-Office
08	ALICE MCGONIGLE BERMANDE VALERIO LAW	EMAILED		05/19/14	AMcGonigle@bermandevalerio.com 617-646-1828-Office
09	KASSAHN & ORTIZ PC CASANDRA C. ORTIZ	EMAILED		05/20/14	9901 I.H. 10 WEST, STE. 800 SAN ANTONIO, TX. 78230 210-558-2826-OFFICE 512-294-0883-CELL

	NAME OF BIDDER: COMPANY/FIRM & REPRESENTATIVE'S NAME	RFQ&P REQUEST	SIGNATURE APPLICABLE) OR INITIALS OF STAFF ADDRESSING MAIL OUT	(IF DATE	PHYSICAL ADDRESS CITY, STATE, ZIP CODE PHONE & FAX NUMBERS
10	MILBERG LLP ADAM BOBKIN ATTORNEY AT LAW	EMAILED		05/20/14	ONE PENNSYLVANIA PLAZA, 49 FLOOR NEW YORK, NY. 10119 212-631-8649-OFFICE 646-619-4084-FAX
11	THE MICHAEL LEE LAW FIRM (CAROLYN)	EMAILED		05/23/14	615 N. UPPER BROADWAY, #708 CORPUS CHRISTI, TEXAS 78401 361-882-4444
12	JESUS BARBA JR. COX SMITH LAW FIRM	EMAILED		05/23/14	1400 N. MCCOLL ROAD, STE. 204 MCALLEN, TEXAS 78501 956-984-7400-OFFICE 956-984-7499-FAX
13					
14					
15					
16					
17					
18					
19					

***VIA:**
IN PERSON (IP)
TELEPHONE REQUEST (TR)
BIDDER LIST MAIL OUT (BLM)

HIDALGO COUNTY PURCHASING DEPARTMENT

RFQ ACCEPTANCE SHEET

DEPARTMENT NAME: **HIDALGO COUNTY**





RFQ ACCEPTANCE DATE: **JUNE 4, 2014**

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

DESCRIPTION OF RFQ: **HIDALGO COUNTY - "PROFESSIONAL LEGAL SERVICES"**

RFQ NO: **HCDD1-14-140-06-04-VYG**

CONTRACT'S MANAGER: **VANGIE Y. GARCIA**

RFP	NAME OF COMPANY	ACKNOWLEDGEMENT RECEIPT	ADDENDUM 1
#1	Law Office of Gilberto Hinojosa & Associates		
#2	The Lee Firm		
#3			
#4			
#5			
#6			
#7			
#8			

AI-44991

6.

DRAINAGE DISTRICT

Meeting Date: 06/17/2014

Submitted By: Jaime Salazar, DRAINAGE DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

A.) Requesting approval to accept bid and award contract to Sole Bidder meeting all specified requirements for RFB No.: HCDD1-14-012-06-04 "Gasoline, On & Off Highway Diesel Fuel".

B.) Requesting approval of Draft Specifications and approval to advertise for RFB No.: HCDD1-14-017-07-16 "Reinforced Concrete Pipe-Tongue & Groove, Reinforced Concrete Pipe-Rubber Gasket, Box Culvert(Less than 2' Fill), Box Culvert (More than 2' Fill)".

C.) Requesting approval to issue purchase orders to R. Gutierrez Engineering Corp. in the amount not to exceed \$19,624.70 as it relates to Construction Material Testing for FM 495 Drain-Trenton & Wisconsin Road Field Crossing.

BACKGROUND

Attachments

Gasoline Bid Comparison

R. Gutierrez Purchase Order

RCP Draft Specs.

Form Review

Inbox	Reviewed By	Date
Budget & Management	Debbie Tamez	06/12/2014 03:10 PM
Final Approval	Monica Badillo	06/13/2014 05:17 PM
Form Started By: Jaime Salazar		Started On: 06/11/2014 03:37 PM
	Final Approval Date: 06/13/2014	

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

BID NO.: HCDD1-14-012-06-04

PRICE COMPARISON SHEET - USING 05/28/2014 OPIS REPORT

APPROXIMATE QUANTITIES	2013 GOLD START PETROLEUM, INC. UNIT PRICE	2014 GOLD STAR PETROLEUM INC. UNIT PRICE	PRICE INCREASE
UNLEADED PLUS GASOLINE			
OPIS PRICE	2.9538	3.0404	
STATE TAX	.2000	0.2000	
MARGIN OF PROFIT	-0.0111	-0.0111	
TOTAL PRICE PER GALLON	3.1427	3.2293	0.0866

	UNIT PRICE	UNIT PRICE	UNIT PRICE
SUPER UNLEADED GASOLINE			
OPIS PRICE	3.1821	3.2983	
STATE TAX	0.2000	0.2000	
MARGIN OF PROFIT	-0.0111	-0.0111	
TOTAL PRICE PER GALLON	3.3710	3.4872	0.1162

	UNIT PRICE	UNIT PRICE	UNIT PRICE
UNLEADED GASOLINE			
OPIS PRICE	2.8558	2.9393	
STATE TAX	0.2000	0.2000	
MARGIN OF PROFIT	-0.0111	-0.0111	
TOTAL PRICE PER GALLON	3.0447	3.1282	0.0835

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

BID No.: HCDD1-14-012-06-04

PRICE COMPARISON SHEET - 05/28/2014 OPIS REPORT

APPROXIMATE QUANTITIES	2013		2014		PRICE INCREASE
	GOLD START PETROLEUM, INC.		GOLD STAR PETROLEUM, INC.		
OFF HIGHWAY DIESEL FUEL	UNIT PRICE		UNIT PRICE		UNIT PRICE
Opis Price	3.1897		2.9877		
State Tax	.00		.00		
Margin of Profit	-0.0111		-0.0111		
Total Price Per Gallon	3.1786		2.9766		-0.202

APPROXIMATE QUANTITIES	2013		2014		PRICE INCREASE
	GOLD START PETROLEUM, INC.		GOLD STAR PETROLEUM, INC.		
ON HIGHWAY DIESEL FUEL	UNIT PRICE		UNIT PRICE		UNIT PRICE
Opis Price	3.2116		3.0133		
State Tax	0.2000		0.2000		
Margin of Profit	-0.0111		-0.0111		
Total Price Per Gallon	3.4005		3.2022		-0.1983

le bus were requested for Vendors

June 6, 2014

Godfrey Garza, Jr.
Manager
Hidalgo County Drainage District No. 1
902 N. Doolittle
Edinburg, TX 78539

RE: Construction Materials Testing – FM 495 Drain – Trenton Rd Field Crossing & Wisconsin Rd Crossing

Dear Mr. Garza:

This letter is for your approval of us subcontracting the construction materials testing services for these two projects to Raba-Kistner Consultants, Inc. Our "Agreement for Professional Services" dated April 27, 1999, Article 5 provides for these services to be furnished by the Engineer for reimbursement of subcontract expense at invoice cost plus a 10% service charge.

The cost to the drainage district for the services is as follows:

Trenton Rd Field Crossing:
Raba-Kistner fee \$ 8,659.48
10% Service Charge \$ 865.95

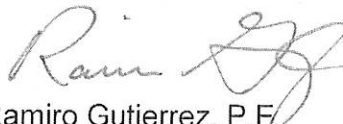
Total Trenton Rd Field Crossing: \$ 9,525.43

Wisconsin Rd Crossing:
Raba-Kistner Fee \$ 9,181.15
10% Service Charge \$ 918.12

Total Wisconsin Rd Crossing: \$10,099.27

The fee proposals from Raba-Kistner to us are attached to this letter. If you have any questions regarding this matter please do not hesitate to call us. We are ready to assist you in making this project a success. You can call me at 956-782-2557 or on my mobile at 956-227-2154.

Sincerely,



Ramiro Gutierrez, P.E.
President

cc: Files
Attach



Proposal No.: PMD14-057-00
April 24, 2014

Raba Kistner
Consultants, Inc.
800 E. Hackberry
McAllen, TX 78501
www.rkci.com

Mr. Ramiro Gutierrez, P.E., President
R. Gutierrez Engineering Corporation
130 East Park Avenue
Pharr, Texas 78577

P 956 :: 682 :: 5332
F 956 :: 682 :: 5487
TBPE Firm F-3257

**RE: Construction Materials Observation and Testing Services
Hidalgo County Drainage District No. 1 FM 495 Drain Trenton Road Field Crossing
Edinburg, Hidalgo County, Texas**

Dear Mr. Gutierrez:

Raba Kistner Consultants, Inc. (RKCI) is pleased to have been selected to provide Construction Materials Observation and Testing Services for the above referenced project.

Our opinion of probable cost of services for this project is \$8,659.48.

Our proposed scope of services and estimated item quantities are based upon our interpretation of the project drawings received via electronic-mail attachment from Mr. Javier Gutierrez with R. Gutierrez Engineering Corporation, the project's civil engineering firm, on Wednesday, April 9, 2014, and are without the aid of the general contractor's schedule. The scope and quantity of services provided will be dependent upon the actual services required/requested by you and/or your representatives. Charges will be assessed only for actual services rendered. All services authorized or requested by you and/or your representatives in excess of the quantities of observation and testing services shown herein will be charged at the appropriate unit rate for such services. Charges will be invoiced on a monthly basis and will show a computerized composite total of services rendered for each service category.

Invoices will be submitted monthly for work in progress in our standard format. Our invoices are due and payable upon receipt at P.O. Box 971037, Dallas, Dallas County, Texas 75397-1037. All parties hereby agree that this contract upon acceptance will be performable in Hidalgo County, Texas. In the event that the State of Texas legislates a sales tax on professional services, the amount of tax applicable will be added to the appropriate service rate charged by RKCI.



We appreciate the opportunity of submitting this proposal and look forward to working with you during the construction of this project. Please return one signed copy of this letter proposal to provide written authorization for our firm to commence work on the services outlined herein. Please complete the attached Project Data Sheet for invoicing and reporting information.

Very truly yours,

RABA KISTNER Consultants, Inc.



Dennis C. Charkow
Supervisor, CME

Accepted By _____
(Signature)

(Typed or Printed Name)

(Title)

Date _____

DCC/rs
Attachments: Basic Charges
I- Standard Terms and Conditions
II- Schedules of Fees

Copies submitted: Above (1)



BASIC CHARGES

1. A vehicle travel charge will be assessed for round trip travel from our office to the project site, material supplier, etc. and back to our office. The charges for travel from our office to the project site and return to our office will be as follows:

Travel Time (round trip) 1.00 /hour(s)

Vehicle Trip Charge \$ 45.00/trip

2. Service Charges are based on the hourly rates stated herein and will be assessed from the time the Engineer or Technician leaves our office until he returns from the project.
3. Any engineering and/or technical services provided on Saturday, Sunday and all work in excess of "normal" work hours, as stated herein, Monday through Friday, will be charged at an overtime rate of 1.5 times the appropriate hourly rate. Our total cost of services is based upon the assumption most services will be provided during "normal" work hours. Providing an excessive amount of services during days and/or hours requiring overtime rates may significantly increase the total cost of services shown herein.
4. "Normal" work hours are between 7:00 a.m. and 6:00 p.m., including travel time to and from the site unless stated otherwise. Overtime charges will be assessed after eight (8) continuous hours of service rendered during "normal" work hours.
5. Minimum of 2 hours billing per visit to project site.
6. A ten (10) percent project management and administration cost will be added to all invoices.
7. Our opinion of probable cost for each proposal to be submitted is based upon an estimate of the construction materials observation and testing services required to meet the project requirements. Because the general contractor has control over the project and determines the means and methods used to build/construct the project, our proposed scope of services is an estimate. On the basis of the general contractor's schedule, potential retesting of non-compliance items, weather related issues, the actual total services and fees may be higher or lower than the estimates in our proposal. **RKCI** will keep you **CLIENT** apprised of our billings in comparison to our opinion of probable cost (project budget) over the life of the project. All tests noted as retests of previously non-complaint areas will be billed to the **CLIENT**. **RKCI** will invoice these tests separately to allow **CLIENT** to segregate the charges from our normal charges. This will allow **CLIENT** to back charge the general contractor as necessary. **CLIENT** will be responsible for payment of all services rendered by **RKCI** for the project.
8. **RKCI** will utilize the on-site initial field curing facilities provided by the contractor. The cost of providing and maintaining these initial curing facilities is not included in our proposal.



CONSTRUCTION MATERIALS TESTING UNIT RATES
Hidalgo County Drainage District No. 1 FM 495 Drain Trenton Road Field Crossing
Edinburg, Hidalgo County, Texas

SERVICE	UNIT RATE		QUANTITY	TOTAL
Earthwork:				
1. Moisture-Density Relationship (Proctor)	\$214.75	each	3	\$644.25
2. Atterberg Limits Determinations (P.I.) (ASTM/AASHTO)	\$78.25	each	3	\$234.75
3. Sieve Analysis -200	\$53.00	each	3	\$159.00
4. Unconfined CompressiveStrength Testing of Cement Stabilized Backfill	\$33.75	each	4	\$135.00
5. Molding Controlled Process Material	\$73.25	each	4	\$293.00
6. Technician Time Sampling	\$46.00	hour	6	\$276.00
7. Field Density Test - Embankment Backfill (Assume Minimum 3 Densities / 12" Lift)	\$19.75	each	45	\$888.75
8. Technician Time - Density Testing - Embankment	\$46.00	hour	24	\$1,104.00
9. Field Density Test - Backfill Deversion Pipe (Assume Minimum 3 Densities / 12" Lift)	\$19.75	each	30	\$592.50
10. Technician Time - Density Testing - Diversion Pipe	\$46.00	hour	24	\$1,104.00
11. Vehicle Travel Charge	\$45.00	trip	20	\$900.00
Subtotal				\$6,331.25
Concrete:				
1. Concrete Compressive Strength Tests	\$14.50	each	20	\$290.00
2. Technician Time - Concrete Testing	\$46.00	hour	12	\$552.00
3. Air Content of Concrete	\$27.00	each	4	\$108.00
4. Technician Time - Pick-Up of Specimen(s)	\$46.00	hour	6	\$276.00
5. Vehicle Travel Charge	\$45.00	trip	7	\$315.00
Subtotal				\$1,541.00
Other:				
1. Project Administration(Markup of Invoiced Billing Cycle)	10%			\$787.23
Subtotal				\$787.23
GRAND TOTAL				\$8,659.48





SCHEDULE OF FEES FOR PROFESSIONAL SERVICES

PERSONNEL:

Principal.....	\$135 to \$250/hour
Professional	\$70 to \$200/hour
Auto Cad Operator.....	\$65 to \$110/hour
Technical/Clerical/Administrative	\$40 to \$80/hour

The specific hourly rate within each classification listed above depends on the experience, special training, and qualifications of the personnel needed for the project. For projects requiring work at any hazardous waste site, there will be a \$10 per hour surcharge added to the normal billing rate for all personnel. Consultants to Raba Kistner (RK) will be charged according to their professional classification.

EXPENSES: Use of company automobiles will be charged at \$1.00 per mile. Automobiles and light trucks assigned to field sites will be charged at \$70.00 per day, plus \$1.00 per mile over 50 miles per day. Copies will be charged at \$0.25 per page.

Other project specific charges for use of RK equipment or for RK testing will be in accordance with established fee schedules. All other project specific, third-party costs will be charged at cost plus 15 percent.

Invoices will be submitted monthly for work in progress in our standard format. They are due and payable upon receipt and become past due 30 days after the billing date. Past due invoices may be subject to late charges at the rate of 1-1/2 percent per month (18 percent per annum). In the event that the State of Texas legislates a sales tax on Professional Services, the amount of the tax will be PAYMENT added to the appropriate service rate charged. Our invoices are due and payable upon receipt at P.O. Box 971037, Dallas, Texas 75397-1037.

Preparation of non-standard invoice will be charged on a time and materials basis in accordance with the rates in this fee schedule.

CONDITIONS: Services will be performed in accordance with our Standard Terms and Conditions.

The proposal to which this schedule is an attachment is valid for 90 days from the date of the proposal.





Proposal No.: PMD14-056-00
April 24, 2014

Raba Kistner
Consultants, Inc.
800 E. Hackberry
McAllen, TX 78501
www.rkci.com

Mr. Ramiro Gutierrez, P.E., President
R. Gutierrez Engineering Corporation
130 East Park Avenue
Pharr, Texas 78577

P 956 :: 682 :: 5332
F 956 :: 682 :: 5487
TBPE Firm F-3257

**RE: Construction Materials Observation and Testing Services
Hidalgo County Drainage District No. 1 FM 495 Drain Wisconsin Road Crossing
Edinburg, Hidalgo County, Texas**

Dear Mr. Gutierrez:

Raba Kistner Consultants, Inc. (RKCI) is pleased to have been selected to provide Construction Materials Observation and Testing Services for the above referenced project.

Our opinion of probable cost of services for this project is **\$9,181.15**.

Our proposed scope of services and estimated item quantities are based upon our interpretation of the project drawings received via electronic-mail attachment from Mr. Javier Gutierrez with R. Gutierrez Engineering Corporation, the project's civil engineering firm, on Wednesday, April 9, 2014, and are without the aid of the general contractor's schedule. The scope and quantity of services provided will be dependent upon the actual services required/requested by you and/or your representatives. Charges will be assessed only for actual services rendered. All services authorized or requested by you and/or your representatives in excess of the quantities of observation and testing services shown herein will be charged at the appropriate unit rate for such services. Charges will be invoiced on a monthly basis and will show a computerized composite total of services rendered for each service category.


Invoices will be submitted monthly for work in progress in our standard format. Our invoices are due and payable upon receipt at P.O. Box 971037, Dallas, Dallas County, Texas 75397-1037. All parties hereby agree that this contract upon acceptance will be performable in Hidalgo County, Texas. In the event that the State of Texas legislates a sales tax on professional services, the amount of tax applicable will be added to the appropriate service rate charged by RKCI.



We appreciate the opportunity of submitting this proposal and look forward to working with you during the construction of this project. Please return one signed copy of this letter proposal to provide written authorization for our firm to commence work on the services outlined herein. Please complete the attached Project Data Sheet for invoicing and reporting information.

Very truly yours,

RABA KISTNER Consultants, Inc.



Dennis C. Charkow
Supervisor, CME

Accepted By _____
(Signature)

(Typed or Printed Name)

(Title)

Date _____

DCC/rs
Attachments: Basic Charges
I- Standard Terms and Conditions
II- Schedules of Fees

Copies submitted: Above (1)



BASIC CHARGES

1. A vehicle travel charge will be assessed for round trip travel from our office to the project site, material supplier, etc. and back to our office. The charges for travel from our office to the project site and return to our office will be as follows:

Travel Time (round trip) _____ 1.00 /hour(s)

Vehicle Trip Charge _____ \$ 45.00/trip

2. Service Charges are based on the hourly rates stated herein and will be assessed from the time the Engineer or Technician leaves our office until he returns from the project.
3. Any engineering and/or technical services provided on Saturday, Sunday and all work in excess of "normal" work hours, as stated herein, Monday through Friday, will be charged at an overtime rate of 1.5 times the appropriate hourly rate. Our total cost of services is based upon the assumption most services will be provided during "normal" work hours. Providing an excessive amount of services during days and/or hours requiring overtime rates may significantly increase the total cost of services shown herein.
4. "Normal" work hours are between 7:00 a.m. and 6:00 p.m., including travel time to and from the site unless stated otherwise. Overtime charges will be assessed after eight (8) continuous hours of service rendered during "normal" work hours.
5. Minimum of 2 hours billing per visit to project site.
6. A ten (10) percent project management and administration cost will be added to all invoices.
7. Our opinion of probable cost for each proposal to be submitted is based upon an estimate of the construction materials observation and testing services required to meet the project requirements. Because the general contractor has control over the project and determines the means and methods used to build/construct the project, our proposed scope of services is an estimate. On the basis of the general contractor's schedule, potential retesting of non-compliance items, weather related issues, the actual total services and fees may be higher or lower than the estimates in our proposal. RKCI will keep you CLIENT apprised of our billings in comparison to our opinion of probable cost (project budget) over the life of the project. All tests noted as retests of previously non-complaint areas will be billed to the CLIENT. RKCI will invoice these tests separately to allow CLIENT to segregate the charges from our normal charges. This will allow CLIENT to back charge the general contractor as necessary. CLIENT will be responsible for payment of all services rendered by RKCI for the project.
8. RKCI will utilize the on-site initial field curing facilities provided by the contractor. The cost of providing and maintaining these initial curing facilities is not included in our proposal.



CONSTRUCTION MATERIALS TESTING UNIT RATES
Hidalgo County Drainage District No. 1 FM 495 Drain Wisconsin Road Crossing
Edinburg, Hidalgo County, Texas

SERVICE	UNIT RATE		QUANTITY	TOTAL
Earthwork:				
1. Moisture-Density Relationship (Proctor)	\$214.75	each	4	\$859.00
2. Atterberg Limits Determinations (P.I.) (ASTM/AASHTO)	\$78.25	each	4	\$313.00
3. Sieve Analysis -200	\$53.00	each	3	\$159.00
4. Sieve Analysis - Flexible Base Material	\$53.00	each	1	\$53.00
5. Unconfined Compressive Strength Testing of Cement Stabilized Backfill	\$33.75	each	4	\$135.00
6. Molding Controlled Process Material	\$73.25	each	4	\$293.00
7. Technician Time Sampling	\$46.00	hour	8	\$368.00
8. Field Density Test - Embankment Backfill (Assume Minimum 3 Densities / 12" Lift)	\$19.75	each	42	\$829.50
9. Technician Time - Density Testing - Embankment	\$46.00	hour	30	\$1,380.00
10. Field Density Test - Backfill Deversion Pipe (Assume Minimum 3 Densities / 12" Lift)	\$19.75	each	36	\$711.00
11. Technician Time - Density Testing - Diversion Pipe	\$46.00	hour	18	\$828.00
12. Vehicle Travel Charge	\$45.00	trip	22	\$990.00
Subtotal				\$6,918.50
Concrete:				
1. Concrete Compressive Strength Tests	\$14.50	each	10	\$145.00
2. Technician Time - Concrete Testing	\$46.00	hour	6	\$276.00
3. Air Content of Concrete	\$27.00	each	4	\$108.00
4. Technician Time - Pick-Up of Specimen(s)	\$46.00	hour	2	\$92.00
5. Vehicle Travel Charge	\$45.00	trip	4	\$180.00
Subtotal				\$801.00
Asphalt:				
1. Asphaltic Concrete Laydown Observation	\$55.00	hour	4	\$220.00
2. Extraction, Gradation, Bitumen Content and Laboratory Density of Asphaltic Concrete	\$265.00	each	1	\$265.00
3. Maximum Theoretical Specific Gravity of Asphalt	\$97.00	each	1	\$97.00
4. Vehicle Travel Charge	\$45.00	trip	1	\$45.00
Subtotal				\$627.00
Other:				
1. Project Administration (Markup of Invoiced Billing Cycle)	10%			\$834.65
Subtotal				\$834.65
GRAND TOTAL				\$9,181.15





SCHEDULE OF FEES FOR PROFESSIONAL SERVICES

PERSONNEL:

Principal.....	\$135 to \$250/hour
Professional	\$70 to \$200/hour
Auto Cad Operator.....	\$65 to \$110/hour
Technical/Clerical/Administrative	\$40 to \$80/hour

The specific hourly rate within each classification listed above depends on the experience, special training, and qualifications of the personnel needed for the project. For projects requiring work at any hazardous waste site, there will be a \$10 per hour surcharge added to the normal billing rate for all personnel. Consultants to Raba Kistner (RK) will be charged according to their professional classification.

EXPENSES: Use of company automobiles will be charged at \$1.00 per mile. Automobiles and light trucks assigned to field sites will be charged at \$70.00 per day, plus \$1.00 per mile over 50 miles per day. Copies will be charged at \$0.25 per page.

Other project specific charges for use of RK equipment or for RK testing will be in accordance with established fee schedules. All other project specific, third-party costs will be charged at cost plus 15 percent.

Invoices will be submitted monthly for work in progress in our standard format. They are due and payable upon receipt and become past due 30 days after the billing date. Past due invoices may be subject to late charges at the rate of 1-1/2 percent per month (18 percent per annum). In the event that the State of Texas legislates a sales tax on Professional Services, the amount of the tax will be PAYMENT added to the appropriate service rate charged. Our invoices are due and payable upon receipt at P.O. Box 971037, Dallas, Texas 75397-1037.

Preparation of non-standard invoice will be charged on a time and materials basis in accordance with the rates in this fee schedule.

CONDITIONS: Services will be performed in accordance with our Standard Terms and Conditions.

The proposal to which this schedule is an attachment is valid for 90 days from the date of the proposal.



Hidalgo County Drainage District No.1
Bid No: HCDD1-14-017-07-16

PIPES – “Reinforced Concrete, Polyethylene, Heavy Wall Concrete, Corrugated PVC & Steel Storm Sewer Pipes, Aluminum Structural Plate, Rubber Gasket Joint Concrete Pipes / Three-Sided Concrete Arch Bridge Systems”

INSTRUCTION TO BIDDERS

Bidder(s) shall supply, where needed (on an “as needed” basis) in Hidalgo County Drainage District No.1, or Job Site, **PIPES – “Reinforced Concrete, Polyethylene, Heavy Wall Concrete, Corrugated PVC & Steel Storm Sewer Pipes, Aluminum Structural Plate, Rubber Gasket Joint Concrete Pipes / Three-Sided Concrete Arch Bridge Systems”**

Bid information will be furnished to Hidalgo County Drainage District No.1 requiring pipes and **delivery** will involve numerous locations within Hidalgo County.

I. LOCATIONS

Hidalgo County Drainage District No.1 requiring pipes.

II. DELIVERY INSTRUCTIONS

Delivery hours will be arranged with Hidalgo County Drainage District No.1 requiring pipes. **Bidder(s) shall deliver** the amount of product requested to **location or job site** required within 24 hours, or earlier, if requested. Bidder(s) agree(s) that, to the extent an item is unavailable from bidder’s own inventory; bidder(s) will be responsible for locating an alternative supplier and for providing the product to Hidalgo County Drainage District No.1 for the bid price.

III. BID AWARD

1. Initial term of contract will be for a one (1) year period with the Hidalgo County Drainage District No.1 option to extend the contract for an additional one (1) year under the same rates, terms and conditions.
2. Hidalgo County Drainage District No.1 reserves the right to continue this bid for an additional sixty (60) day grace period at the end of the contract term for unforeseen delay in award of new bid for next contract term.
3. Hidalgo County Drainage District No.1 may award the bid on a lump sum basis to one (1) bidder or to multiple bidders on an item by item basis in each category, whichever is in the best interest of the District. For evaluation and consideration of items bid, samples will be submitted upon request. Categories will be as follows:
4. Insurance Certificates (Exhibit “C”) must be submitted to Hidalgo County for approval prior to any services being performed by the awarded bidder.
5. The bidder(s) awarded the contract **cannot** engage the services of a **subcontractor without prior written consent of Hidalgo County Drainage District No.1** for the retention of a subcontractor to perform services hereunder. The successful bidder(s) must present

evidence that the proposed subcontractor possess all the necessary licenses and permits to perform the services and the subcontractor has obtained the required insurance which names the contractor as an additional insured. Requesting authorization for subcontracting does not constitute compliance with the primary specification contained herein which state the minimum number vendor owned vehicles required.

6. The District reserves the right to reject any or all bids, to waive any or all formalities, or to accept the bid considered the best and most advantageous to the District.
7. After bid is awarded and low bidder(s) default(s) in meeting the general instructions to bidders and/or comply with contractual agreement, Hidalgo County Drainage District No.1 reserves the right to seek services from the next low bidder(s). In such event, Hidalgo County Drainage District No.1 shall charge the successful bidder(s) the difference for any additional cost of such item(s).
8. Any contract award to a successful bidder will be in effect until (a) the contract expires, (b) delivery and acceptance of products, and/or performance of services ordered, or (c) terminated by Hidalgo County Drainage District No.1 with thirty day's written notice prior to cancellation.
9. All costs and expenses associated with the preparation and submission of proposals shall be the responsibility of the submitter and no reimbursements for such charges or expenses shall be passed onto the District.

ADDITIONAL INFORMATION

Further information required for this project can be addressed through the Hidalgo County Drainage District No.1, Attn: Jaime J. Salazar. Hidalgo County Drainage District No.1 is also requesting that any and all questions, inquiries and clarifications regarding quotes, bids, proposal or statement or qualifications be addressed to Jaime J. Salazar, Buyer, at 902 N. Doolittle, Edinburg, Texas 78542. **TELEPHONE INQUIRIES WILL NOT BE ACCEPTED.**

All written inquiries will be accepted via email to jaime.salazar@hcdd1.org no later than, Wednesday, July 9, 2014 at 5:00 P.M., at (956) 292-7089. Responses to said inquiries will be sent to all applicants via email by no later than 5:00 P.M., Friday, July 11, 2014.

Hidalgo County Drainage District No.1

Bid No.HCDD1-14-017-07-16

PIPES – “Reinforced Concrete, Polyethylene, Heavy Wall Concrete, Corrugated PVC & Steel Storm Sewer Pipes, Aluminum Structural Plate, Rubber Gasket Joint Concrete Pipes / Three-Sided Concrete Arch Bridge Systems”

**SPECIFICATIONS
REINFORCED CONCRETE PIPE**

DESCRIPTION	CLASS III	CLASS IV	CLASS V
15"	____/LF	____/LF	____LF
18"	____/LF	____/LF	____LF
24"	____/LF	____/LF	____LF
30"	____/LF	____/LF	____LF
36"	____/LF	____/LF	____LF
42"	____/LF	____/LF	____LF
48"	____/LF	____/LF	____LF
54"	____/LF	____/LF	____LF
60"	____/LF	____/LF	____LF
72"	____/LF	____/LF	____LF

Hidalgo County Drainage District No.1

Bid No.: HCDD1-14-017-07-16

PIPES – “Reinforced Concrete, Polyethylene, Heavy Wall Concrete, Corrugated PVC & Steel Storm Sewer Pipes, Aluminum Structural Plate, Rubber Gasket Joint Concrete Pipes / Three-Sided Concrete Arch Bridge Systems”

SPECIFICATIONS

POLYETHYLENE PIPE-20' IN LENGTH

High-density, polyethylene pipe, smooth interior, with H-20 load rating

DESCRIPTION	PRICE
8"	_____LF
12"	_____LF
15"	_____LF
18"	_____LF
24"	_____LF
30"	_____LF
36"	_____LF
42"	_____LF
48"	_____LF
54"	_____LF
60"	_____LF
72"	_____LF

Hidalgo County Drainage District No.1

Bid No.: HCDD1-14-017-07-16

PIPES – “Reinforced Concrete, Polyethylene, Heavy Wall Concrete, Corrugated PVC & Steel Storm Sewer Pipes, Aluminum Structural Plate, Rubber Gasket Joint Concrete Pipes / Three-Sided Concrete Arch Bridge Systems”

SPECIFICATIONS

HEAVY WALL CONCRETE PIPES-3' IN LENGTH

DESCRIPTION	PRICE
15"	_____LF
18"	_____LF
24"	_____LF
30"	_____LF
36"	_____LF
42"	_____LF
48"	_____LF

Supplier will deliver where needed in Hidalgo County location or job site.

Hidalgo County Drainage District No.1

Bid No.: HCDD1-14-017-07-16

PIPES – “Reinforced Concrete, Polyethylene, Heavy Wall Concrete, Corrugated PVC & Steel Storm Sewer Pipes, Aluminum Structural Plate, Rubber Gasket Joint Concrete Pipes / Three-Sided Concrete Arch Bridge Systems”

SPECIFICATIONS

CORRUGATED POLYVINYL CHLORIDE (PVC) STORM SEWER PIPE

DESCRIPTION	PRICE
12"	_____ LF
15"	_____ LF
18"	_____ LF
24"	_____ LF
30"	_____ LF
36"	_____ LF

SEE ATTACHED SPECIFICATIONS ON MATERIAL AND DESIGN, JOINING SYSTEM AND INSTALLATION

Hidalgo County Drainage District No.1

Bid No.: HCDD1-14-017-07-16

PIPES – “Reinforced Concrete, Polyethylene, Heavy Wall Concrete, Corrugated PVC & Steel Storm Sewer Pipes, Aluminum Structural Plate, Rubber Gasket Joint Concrete Pipes / Three-Sided Concrete Arch Bridge Systems”

SPECIFICATIONS

POLYVINYL CHLORIDE (PVC) IRRIGATION PIPE, 80 PSI

DESCRIPTION	PRICE
10"	_____/LF
12"	_____/LF
16"	_____/LF

Hidalgo County Drainage District No.1
Bid No.: HCDD1-14-017-07-16

PIPES – “Reinforced Concrete, Polyethylene, Heavy Wall Concrete, Corrugated PVC & Steel Storm Sewer Pipes, Aluminum Structural Plate, Rubber Gasket Joint Concrete Pipes / Three-Sided Concrete Arch Bridge Systems”

**SPECIFICATIONS
CORRUGATED PVC STORM SEWER PIPE**

1.0 SCOPE:

Polyvinyl chloride (PVC) storm sewer/drain pipe and fittings shall be manufactured and tested in accordance with AASHTO Specifications M304.

2.0 MATERIAL AND DESIGN:

The structural design of thermoplastic pipes shall be in accordance with AASHTO Standard Specifications for Highway Bridge; Section 8 titled “Soil-Thermoplastic Pipe Interaction Systems.” To ensure long-term design strength properties, PVC pipe shall be manufactured from 12454B or 12454C cell class material per ASTM D 1784.

3.0 JOINING SYSTEM:

Joints may be either external plastic sleeve with gaskets or an integral bell-gasketed joint. When the joint is assembled, it shall prevent misalignment of adjacent pipes and form either a soil-tight joint (2 psi hydrostatic test per AASHTO Standard Specifications for Highway Bridges: Section 26.4.2.4) or watertight joint (10.8 psi test per ASTM D3212 “Standard Specifications for Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals”) as required.

Hidalgo County Drainage District No.1

Bid No.: HCDD1-14-017-07-16

PIPES – “Reinforced Concrete, Polyethylene, Heavy Wall Concrete, Corrugated PVC & Steel Storm Sewer Pipes, Aluminum Structural Plate, Rubber Gasket Joint Concrete Pipes / Three-Sided Concrete Arch Bridge Systems”

SPECIFICATIONS

4.0 INSTALLATION:

PVC thermoplastic pipe and fittings manufactured to this specifications, shall be installed in accordance with ASTM D2321-89

Heights of Cover

DIAMETER	CORRUGATED PVC PIPE* (AASHTO M304)
(Inches)	(Feet)

12	49
15	47
18	51
24	50
30	50

*minimum cover (H-20 live load) = 12" (ASTM D2321 with Class 1A embedment)

Hidalgo County Drainage District No.1

Bid No.: HCDD1-14-017-07-16

PIPES – “Reinforced Concrete, Polyethylene, Heavy Wall Concrete, Corrugated PVC & Steel Storm Sewer Pipes, Aluminum Structural Plate, Rubber Gasket Joint Concrete Pipes / Three-Sided Concrete Arch Bridge Systems”

SPECIFICATIONS

CORRUGATED STEEL STORM SEWER PIPE

PRICE *			
DIAMETER	TYPE “IR” PIPE	TYPE “I” PIPE	TYPE “IA” PIPE
<u>36"</u>	/LF		
<u>42"</u>	/LF		
<u>48"</u>	/LF		
<u>54"</u>	/LF	/LF	
<u>60"</u>	/LF	/LF	
<u>66"</u>	/LF	/LF	
<u>72"</u>	/LF	/LF	/LF
<u>78"</u>	/LF	/LF	/LF
<u>84"</u>	/LF	/LF	/LF
<u>90"</u>	/LF	/LF	/LF
<u>96"</u>	/LF	/LF	/LF
<u>102"</u>	/LF	/LF	/LF
<u>108"</u>		/LF	/LF
<u>114"</u>		/LF	/LF
<u>120"</u>		/LF	/LF
<u>126"</u>		/LF	/LF
<u>132"</u>		/LF	/LF
<u>138"</u>		/LF	/LF
<u>144"</u>		/LF	/LF

* Unit price includes one gasket band connection for every 20 - foot joint. SEE ATTACHED

SPECIFICATIONS ON MATERIAL AND DESIGN, JOINING SYSTEM AND INSTALLATION.

Hidalgo County Drainage District No.1

Bid No.: HCDD1-14-017-07-16

PIPES – “Reinforced Concrete, Polyethylene, Heavy Wall Concrete, Corrugated PVC & Steel Storm Sewer Pipes, Aluminum Structural Plate, Rubber Gasket Joint Concrete Pipes / Three-Sided Concrete Arch Bridge Systems”

**SPECIFICATIONS
CORRUGATED STEEL STORM SEWER PIPE**

1.0 GENERAL

This item shall govern the furnishing of corrugated steel pipe and pipe-arch for culverts and storm sewers for the types, sizes and designations as specified in these specifications.

2.0 MATERIALS

This pipe shall be fabricated from sheets conforming to the current AASHTO M-274 (ASTM A 819) specification for ALUMINIZED STEEL Type 2 material or the current AASHTO M-246 (ASTM A 742) specification for POLYMER coated galvanized steel material.

3.0 MANUFACTURE

This pipe shall meet the requirements of AASHTO M-36 (ASTM A760) for corrugated steel pipe. All pipes shall be manufactured with a minimum of two re-rolled annular ends.

4.0 CLASSIFICATION (TYPE)

FOR DIAMETERS 36" THROUGH 96":

This pipe shall be manufactured to conform to the current AASHTO M-36 (ASTM A 760) specification and shall have an extended helical corrugation pattern of 3/4" x 3/4" 7 1/2" as described in AASHTO M-36 (ASTM A 760).

All round pipe shall be manufactured to conform to the current AASHTO M 245 (ASTM A 762 & A 760) specification and shall have a full circular cross-section with a smooth steel liner and helically corrugated shell, integrally attached at helical lockseams. All round pipe shall conform to the Type IA pipe classification. All pipe arch shall conform to the Type IIA classification Type I pipe classifications will also be considered. These pipes shall be manufactured out of ALUMINIZED STEEL Type 2 or POLYMER coated galvanized steel as referenced above.

Hidalgo County Drainage District No.1

Bid No.: HCDD1-14-017-07-16

PIPES – “Reinforced Concrete, Polyethylene, Heavy Wall Concrete, Corrugated PVC & Steel Storm Sewer Pipes, Aluminum Structural Plate, Rubber Gasket Joint Concrete Pipes / Three-Sided Concrete Arch Bridge Systems”

SPECIFICATIONS

5.0 POST APPLIED COATING

All pipes manufactured with ALUMINIZED STEEL Type 2 shall be fully coated both inside and out with a minimum thickness of 0.05 in. (1.3mm) measured from the crest of the corrugations, on the top of ribs (as in Type IR pipe), or on the smooth inside surface of the pipe. The coating shall be uniform class B (bituminous or Class M (mastic) material as described in AASHTO M-190 (ASTM A 849).

6.0 GAGE

Unless otherwise specified on the specifications, gages shall be minimum as follows:

TYPE IR (Spiral Corrugation)	
DIAMETER	GAUGE
36-48"	16
54-60"	14
66-96"	12
TYPE I (Standard)	
54-138"	12
144"	10
TYPE IA (Double-Wall)	
All Types IA shall be 12 gauge shell and 18 gauge liner.	

All type IA shall be 12 gage shell and 18 gauge liner. All type I shall be 12 gage except 144" shall be 10 gauge.

Hidalgo County Drainage District No.1

Bid No.: HCDD1-14-017-07-16

PIPES – “Reinforced Concrete, Polyethylene, Heavy Wall Concrete, Corrugated PVC & Steel Storm Sewer Pipes, Aluminum Structural Plate, Rubber Gasket Joint Concrete Pipes / Three-Sided Concrete Arch Bridge Systems”

SPECIFICATIONS

7.0 COUPLING BANDS

Coupling bands shall be of the same base material and coating as the pipe. Coupling bands shall lap evenly on each of the pipes being connected and shall fit securely into at least one full circumferential corrugation to form a tightly closed joint.

All pipes shall be field jointed with corrugated locking bands. Connecting bands shall be drawn together by means of not less than two bolts not less than ½ in. (13 mm) diameter through angles or bar and strap device suitable welded or riveted.

Coupling bands shall be no more than three nominal sheet thicknesses lighter than the pipe to be connected and in no case thinner than 0.052 in. (1.32 mm).

8.0 INSTALLATION

Corrugated steel pipe shall be installed as outlined in AASHTO Standard Specification for Highway Bridges, Section 26 and ASTM A798.

9.0 MEASUREMENT

Corrugated steel pipe will be measured by the linear foot. Such measurements shall be made between the ends of the barrel along its central axis. Where spurs or branches, or connections to existing pipe lines are involved, measurements of the spur or new connecting pipe will be made from the intersection of the central axis with the outside surface of the pipe into which it connects. Where inlets, headwalls, catch basins, manholes, junction chambers, or other structures are included in lines of pipe that length of pipe tying into the other structure wall will be included for measurement but no other portion of the structure length or width will be included.

For multiple pipes, the measured length will be the sum of the lengths of the barrels, measured as prescribed above.

10. PAYMENT

Payment for corrugated steel pipe, measured as prescribed above will be made at the contract unit price bid per linear foot for various sizes, gauges, and types of corrugated steel pipe.

In event of a change in design which either increases or decreases the quantity of pipe, the variation in quantity will be measured as prescribed above and the quantity shown in the specifications will be

increased or decreased as the case may be.

Payments shall be full compensation for furnishing, transporting, and installing the pipe. This includes materials, labor, equipment, tools and incidentals necessary to complete the Installation in accordance to these specifications.

Hidalgo County Drainage District No.1

Bid No.: HCDD1-14-017-07-16

PIPES – “Reinforced Concrete, Polyethylene, Heavy Wall Concrete, Corrugated PVC & Steel Storm Sewer Pipes, Aluminum Structural Plate, Rubber Gasket Joint Concrete Pipes / Three-Sided Concrete Arch Bridge Systems”

SPECIFICATIONS

RUBBER GASKET JOINT CONCRETE PIPE

DESCRIPTION	PRICE
8' x 12"	_____/LF
8' x 15"	_____/LF
8' x 18"	_____/LF
8' x 24"	_____/LF
8' x 30"	_____/LF
8' x 36"	_____/LF
8' x 42"	_____/LF
8' x 48"	_____/LF
8' x 54"	_____/LF
8' x 60"	_____/LF
8' x 66"	_____/LF
8' x 72"	_____/LF

SEE ATTACHED SPECIFICATIONS ON MATERIAL AND DESIGN, JOINING SYSTEM AND INSTALLATION

Hidalgo County Drainage District No.1
Bid No.: HCDD1-14-017-07-16
SPECIFICATIONS

PIPES – “Reinforced Concrete, Polyethylene, Heavy Wall Concrete, Corrugated PVC & Steel Storm Sewer Pipes, Aluminum Structural Plate, Rubber Gasket Joint Concrete Pipes / Three-Sided Concrete Arch Bridge Systems”

The following are the technical requirements for the Reinforced Gasket Joint Concrete Pipe ASTM - C-76 Class III.

D.1 General:

Pipe shall be manufactured and tested according to ASTM Designation: C-361 except as hereinafter changed and further specified. The requirements for cement, admixture, concrete strength, wall thickness, joints, manufacture, and handling of pipe shall be in accordance with Paragraphs C-2, C-3, C-4, C-5, C-6, C-7, C-8, C-10, C-11, C-12, C-13, and C-14, respectively.

D.2 Steel Reinforcements:

The reinforcing steel shall conform to requirements of Class III reinforced concrete pipe, ASTM Designation: C-76. Reinforcements may be circular or elliptical.

D-3 Physical Test Requirements:

The test for internal hydrostatic pressure on the pipe shall not be less than that shown in Table “A” Paragraph C-10 thereof. The test for minimum 3-edge bearing load (pounds per linear foot) shall not be less than that required for Class III reinforced concrete pipe, ASTM Designation C-76.

Related Paragraphs

C-2 Cement:

The cement shall be Type II, low alkali, in accordance with Federal Specifications SS-C-1960/3. The Contractor shall furnish certificates from the mill manufacturing the cement evidencing compliance with these specifications.

C-3 Admixture:

All concrete in concrete pipe placed by the placing and vibrated method shall have air-entraining agent conforming to ASTM Designations: C260. The amount of air-entraining agent used shall be such as will effect the entrainment of $2\frac{1}{2} \pm 1$ percent of air by volume, of the concrete as discharged from the mixer. Natural cement, slag cement, pozzolon, or other admixtures shall not be added to the concrete without the written authorization of the Engineer in charge of the project.

C.4 Concrete Strength:

The strength requirements shall be 4,000 pounds per square inch in 28 days. The 4,000 PSI concrete test shall be in accordance with the latest edition of ASTM Designation: C-76.

C-5 Concrete Mixture:

The aggregate requirements of the latest ASTM Designation: C361 are changed to include, “The maximum size coarse aggregate shall be of the largest size practicable for placement considering the wall thickness of the pipe but shall not exceed 1-½ inches. The percentage of coarse aggregate to the total aggregate shall be as high as practicable for manufacture of the pipe.”

C-6 Curing Requirements:

The curing requirements in the latest edition of ASTM Designation: C361 are changed to include this additional requirement at the end of the paragraph: “If forms are stripped immediately after the pipe is cast and moved to the curing area, the concrete pipe shall not be lifted or tipped until a minimum concrete compressive strength of 2,500 PSI is attained. Determination of the required strength shall be accomplished by tests of concrete cylinders as described in the latest edition of ASTM Designation: C361.”

C-7 Wall Thickness:

The thickness of the pipe wall shall be not less than that shown in Table A, Paragraph C-10, “Physical Test Requirements,” hereof.

C-8 Pipe Lengths:

The maximum lengths of pipe sections shall be 8 feet.

C-10 Physical Test Requirements:

The hydrostatic test pressures for the pipe and rubber gasket joint required in the latest edition of ASTM Designations 361 are changed to those specified in Table A. The Contractor shall also perform external load crushing strength test on the pipe. The external load crushing strength test shall be in accordance with the minimum three-edge bearing load as specified in Table A.

(PLEASE REVIEW TABLE A CHART)

Hidalgo County Drainage District No.1

Bid No.: HCDD1-14-017-07-16

PIPES – “Reinforced Concrete, Polyethylene, Heavy Wall Concrete, Corrugated PVC & Steel Storm Sewer Pipes, Aluminum Structural Plate, Rubber Gasket Joint Concrete Pipes / Three-Sided Concrete Arch Bridge Systems”

SPECIFICATIONS

TABLE A: PHYSICAL TEST REQUIREMENTS

Internal diameter (Inches)	Minimum Shell Thickness (Inches)	Internal Hydrostatic Pressure On Individual Section Of Pipe (PSI)	Minimum 3-Edge Bearing Load (Pounds Per Linear Foot)
15	2	50	1,700
16	2	50	1,800
18	2	50	1,900
21	2-¼	45	2,100
24	2-½	40	2,200
30	2-¾	35	2,500
36	3	30	4,050
42	4-½	30	4,725
48	5	30	5,400
54	4-½	25	6,075
60	6	25	6,750
72	7	25	8,100

C.11 Joints:

Joints shall be made with round rubber gasket in conformance with the latest edition of ASTM Designation: C-361 and price quote shall be included with the pipes.

Hidalgo County Drainage District No.1

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PIPES – “Reinforced Concrete, Polyethylene, Heavy Wall Concrete, Corrugated PVC & Steel Storm Sewer Pipes, Aluminum Structural Plate, Rubber Gasket Joint Concrete Pipes / Three-Sided Concrete Arch Bridge Systems”

SPECIFICATIONS

STORM DRAINAGE ITEMS

DESCRIPTION	UNIT	PRICE					
		5'	6'	7'	8'	9'	10'
TY “A” INLET	EA						
TY “A” (SPL-1) INLET	EA						
TY “C” INLET	EA						
TY “CC” INLET	EA						
TY “F” INLET	EA						
TY “F” (SPL-1) INLET	EA						
TY “A” MANHOLE	EA						
TY “A-1” MANHOLE	EA						
TY “M” MANHOLE	EA						

Hidalgo County Drainage District No.1

Bid No.: HCDD1-14-017-07-16

PIPES – “Reinforced Concrete, Polyethylene, Heavy Wall Concrete, Corrugated PVC & Steel Storm Sewer Pipes, Aluminum Structural Plate, Rubber Gasket Joint Concrete Pipes / Three-Sided Concrete Arch Bridge Systems”

SPECIFICATIONS ALUMINUM STRUCTURAL PLATE

1.0 SCOPE

This specification covers the manufacture and installation of the aluminum structural plate structures as shown on the plans. Included are aluminum box culvert shapes and aluminum long span shapes.

2.0 DESIGN

The aluminum structural plate structures shall be designed in accordance with AASHTO Standard specifications for Highway Bridges Sec. 12.

3.0 MATERIAL

The aluminum structural plate shall have 9" x 2 ½" corrugations. The aluminum structural plate shall consist of plates, ribs, and appurtenant items as shown on the plans and shall conform to the requirements of AASHTO M 219 and ASTM B 746. For box culvert shapes it shall also conform to ASTM B 864. For long span structures it shall also conform to ASTM B 209. Plate thicknesses, rib spacings, end treatment and type of invert and foundation shall be as indicated on the plans. Bolts and nut shall conform to the requirements of ASTM A307 or ASTM A449 and shall be galvanized in accordance with ASTM A153 or B695.

4.0 ASSEMBLY

The arch culvert shall be assembled in accordance with the shop drawings provided by the manufacturer and per the manufacturer's recommendations. Bolts shall be tightened using and applied torque of between 100 and 150 ft.-lbs.

5.0 INSTALLATION

The arch culvert shall be installed in accordance with the plans and specifications, the manufacturer's recommendations, and Section 26 of the AASHTO Highway Bridges Manual.

6.0 BACKFILL

The structure shall be backfilled using clean well graded granular material that meets the requirements of AASHTO M145 for soil classifications A-1, A-2 or A-3. For box culvert shapes, soil classifications required are A-1, A-3, A-2-4, or A-2-5. For long spans, soil classifications are A-1, A-2-4, or A-2-5. Backfill must be placed symmetrically on each side of the structure in 6 to 8 inch lifts. Each lift shall be compacted to a minimum of 90 percent density per AASHTO T 180. ***Construction loads that exceed highway limits are not allowed on the structure without approval from the engineer. For long span structures, the manufacturer shall provide a shape control technician who is a qualified representative of a professional soils engineering firm, or other qualified organization, to ensure properly shaped structures. The shape control technician shall take initial measurements of the erected structure before backfilling, observe all backfilling materials, their placement and record compaction densities. He shall insure that the readings and measurements meet the requirements for the plans and specifications. He shall monitor the shape during the placement of the backfill to the minimum cover of the structure. No structural backfill shall be placed without the shape control technician on site.***

Hidalgo County Drainage District No.1

Bid No.: HCDD1-14-017-07-16

PIPES – “Reinforced Concrete, Polyethylene, Heavy Wall Concrete, Corrugated PVC & Steel Storm Sewer Pipes, Aluminum Structural Plate, Rubber Gasket Joint Concrete Pipes / Three-Sided Concrete Arch Bridge Systems”

ALUMINUM STRUCTURAL PLATE

DESCRIPTION	UNIT PRICE
<u>STRUCTURES</u>	
<i>ROUND, ELLIPSE, ARCH OR PIPE-ARCH SHAPES</i>	\$ <u> </u> <i>LB.LF</i>
<i>BOX CULVERT SHAPES</i>	\$ <u> </u> <i>LB.LF</i>
<i>LONG SPAN SHAPES</i>	\$ <u> </u> <i>LB.LF</i>
<u>REINFORCING RIBS</u>	
<i>TYPE II @ 9" O.C.</i>	\$ <u> </u> <i>WLF</i>
<i>TYPE II @ 18" O.C.</i>	\$ <u> </u> <i>WLF</i>
<i>TYPE II @ 27" O.C.</i>	\$ <u> </u> <i>WLF</i>
<i>TYPE II @ 54" O.C.</i>	\$ <u> </u> <i>WLF</i>
<i>TYPE IV @ 9" O.C.</i>	\$ <u> </u> <i>WLF</i>
<i>TYPE IV @ 18" O.C.</i>	\$ <u> </u> <i>WLF</i>
<i>TYPE IV @ 27" O.C.</i>	\$ <u> </u> <i>WLF</i>
<i>TYPE IV @ 54" O.C.</i>	\$ <u> </u> <i>WLF</i>

*LB = POUND
N = CIRCUMFERENTIAL LENGTH
LF = LINEAR FOOT*

Hidalgo County Drainage District No.1

Bid No.: HCDD1-14-017-07-16

PIPES – “Reinforced Concrete, Polyethylene, Heavy Wall Concrete, Corrugated PVC & Steel Storm Sewer Pipes, Aluminum Structural Plate, Rubber Gasket Joint Concrete Pipes / Three-Sided Concrete Arch Bridge Systems”

**SPECIFICATIONS
FOR MANUFACTURE AND INSTALLATION OF
THREE-SIDED CONCRETE ARCH BRIDGE SYSTEMS**

1. DESCRIPTION

This work shall consist of constructing a Three-Sided Concrete Arch Bridge System **in** accordance with these specifications and in reasonably close conformity with the lines, grades, design and dimensions shown on the plans or as established by the Engineer.

2. TYPES

Precast reinforced concrete Three-Sided Concrete Arch culverts manufactured in accordance with this specification shall be designated by span and rise.

3. MATERIALS - CONCRETE

The concrete for the culverts shall be air-entrained when installed in areas subject to freeze-thaw conditions, composed of portland cement, fine and coarse aggregates, admixtures and water. Concrete shall contain 6 ± 2 percent air. The air entraining admixture shall conform to AASHTO M154.

- 3.1 Portland Cement - Shall conform to the requirements of ASTM Specifications C150-Type I, Type II, or Type III cement.
- 3.2 Coarse Aggregate - Shall consist of stone having a maximum size of 1 inch. Aggregate shall meet requirements for ASTM C33.

- 3.3 Water Reducing Admixture - The manufacturer may submit for approval by the Engineer, a water-reducing admixture for the purpose of increasing workability and reducing the water requirement for the concrete.
- 3.4 Calcium Chloride - The addition to the mix of calcium chloride or admixtures containing calcium chloride will not be permitted.

4. MATERIALS - STEEL REINFORCEMENT AND HARDWARE

All reinforcing steel for the culverts shall be fabricated and placed in accordance with the detailed shop drawings submitted by the proposed qualified manufacturer.

- 4.1 Steel Reinforcement - Reinforcement shall consist of welded wire fabric conforming to ASTM Specification A 185 or A 497 or deformed billet steel bars conforming to ASTM Specification A 615, Grade 60. Longitudinal distribution reinforcement may consist of welded wire fabric or deformed billet-steel bars.

5. MANUFACTURE

5.1 Mixture - The aggregates, cement and water shall be proportioned and mixed in a batch mixer to produce a homogeneous concrete meeting the strength requirements of this specification. The proportion of portland cement in the mixture shall not be less than 564 pounds (6 sacks) per cubic yard of concrete.

- 5.2 Curing - The precast concrete culvert units shall be cured for a sufficient length of time so that the concrete will develop the specified compressive strength in 28 days or less. Any one of the following methods of curing or combinations thereof shall be used:

- 5.2.1 Steam Curing - The culverts may be low pressure, steam cured by a system that will maintain a moist atmosphere.

- 5.2.2 Water Curing - The culverts may be water cured by any method that will keep the sections moist.

- 5.2.3 Membrane Curing - A sealing membrane conforming to the requirements of ASTM Specification C 309 may be applied and shall be left intact until the required concrete compressive strength is attained. The concrete temperature at the time of application shall be within + 10 degree F of the atmospheric temperature. All surfaces shall be kept moist prior to the application of the compounds and shall be damp when the compound is applied.

- 5.3 Forms - The steel forms used in manufacture shall be sufficiently rigid and accurate to maintain the culvert dimensions within the permissible variations given in Section 7. All casting surfaces shall be of smooth material.

- 5.4 Handling - Handling devices or holes shall be permitted in each culvert for the purpose of handling and setting.
- 5.5 Storage - The culverts shall be stored in such a manner to prevent cracking or damage. The units shall not be stored in an upright position until the compressive strength is a minimum of 4,000 psi.

6. DESIGN

- 6.1 The culvert dimension and reinforcement details shall be as prescribed in the plan and the shop drawings provided by the manufacturer subject to the provisions of Section 7. The minimum concrete compressive strength shall be 4,000 psi. The minimum steel yield strength shall be 60,000 psi.

The culverts shall be designed in accordance with the "AASHTO Load and Resistance Factor Design (LRFD) Specifications for Design of Highway Bridges, 1st Edition" by the American Association of State Highway and Transportation Officials, adopted in 2000. A minimum of one foot of cover above the crown of the culvert is required in the installed condition. (Unless noted otherwise on the shop drawings and designed accordingly.)

All qualified manufacturers shall provide calculations, signed and sealed installation and shop drawings per Section 6.1 for the desired site specific application.

Typically, but not limited to the following bridge components:

- Footings,
- Arches,
- Headwalls (If required),
- Wingwalls (If required)

- 6.2 Placement of Reinforcement - The cover of concrete over the outside circumferential reinforcement shall be 2 inches minimum. The cover of concrete over the inside circumferential reinforcement shall be 1 1/2 inches minimum. The clear distance of the end circumferential wires shall not be less than one inch nor more than two inches from the ends of the culvert. Reinforcement shall be assembled utilizing single or multiple layers of welded wire fabric, or utilizing a single layer of deformed billet-steel bars. The welded wire fabric shall be composed of circumferential and longitudinal wires meeting the spacing requirements of 6.4 and shall contain sufficient longitudinal wires extending through the culvert to maintain the shape and position of the reinforcement. Longitudinal distribution reinforcement may be welded wire fabric or deformed billet-steel bars and shall meet the spacing requirements of 6.4. The ends of the longitudinal distribution reinforcement shall be not more than 3 inches from the ends of the culvert.

- 6.3 Bending of Reinforcement - The outside and inside circumferential reinforcing steel for the corners of the culvert shall be bent to such an angle that is approximately equal to the configuration of the culverts outside corner.
- 6.4 Laps, Welds, and Spacing - Tension splices in the circumferential reinforcement shall be made by lapping. Laps may be tack welded together for assembly purposes. For smooth welded wire fabric, the overlap shall meet the requirements of ACI 12.8 and 12.19. For deformed welded wire fabric, the overlap shall meet the requirements of ACI 12.7 and 12.18. For deformed billet-steel bars, the overlap shall meet the requirements of ACI 12.2. For splices other than tension splices, the overlap shall be a minimum of 12" for welded wire fabric or deformed billet-steel bars. The spacing center-to-center of the circumferential wires in a wire fabric sheet shall be not less than 2 inches nor more than 4 inches. For the wire fabric, the spacing center-to-center of the longitudinal wires shall not be more than 8 inches. The spacing center-to-center of the longitudinal distribution steel for either line of reinforcing in the top slab shall be not more than 16 inches.

7. PERMISSABLE VARIATIONS

- 7.1 Internal Dimensions - The internal dimension shall vary not more than 1 percent from the design dimensions nor more than 1 1/2 inches whichever is less. The haunch dimensions shall vary not more than 3/4 inch from the design dimension.
- 7.2 Slab and Wall Thickness - The slab and wall thickness shall not be less than that shown in the design by more than 1/4 inch. A thickness more than that required in the design shall not be cause for rejection.
- 7.3 Length of Opposite Surfaces - Variations in laying lengths of two opposite surfaces of the culvert shall not be more than 5/8 inch in any culvert section, except where beveled ends for laying of curves are specified by the purchaser.
- 7.4 Length of Section - The under run in length of a section shall not be more than 1/2 inch in any culvert.
- 7.5 Position of Reinforcement - The maximum variation in position of the reinforcement shall be + 1/2 inch. In no case shall the cover over the reinforcement be less than 1 1/2 inch for the outside circumferential steel or be less than 1 inch for the inside circumferential steel as measured to the external or internal surface of the culvert. These tolerances or cover requirements do not apply to mating surfaces of the joints.
- 7.6 Area of Reinforcement - The areas of steel reinforcement shall be the design steel areas as shown in the manufacturer's shop drawings. Steel areas greater than those required shall not be cause for rejection. The permissible variation in diameter of any reinforcement shall conform to the tolerances prescribed in the ASTM Specification for that type of reinforcement.

8. TESTING AND INSPECTION

- 8.1 Type of Test Specimen - Concrete compressive strength shall be determined from compression tests made on cylinders or cores. For cylinder testing a minimum of 4 cylinders shall be taken during each production run. For core testing, one core shall be cut from a culvert section selected at random from each group of 15 culverts or less of a particular size and production run. For each continuous production run, each group of 15 culverts of a single size or fraction thereof shall be considered separately for the purpose of testing and acceptance. A production run shall be considered continuous if not interrupted for more than 3 consecutive days.
- 8.2 Compression Testing - Cylinders shall be made and tested as prescribed by the ASTM C 39 Specification. Cores shall be obtained and tested for compressive strength in accordance with the provisions of the ASTM C 497 Specification.
- 8.3 Acceptability of Cylinder Tests - Failure of any of the 28 day test cylinders to meet 90 percent of the minimum compressive strength requirement can be cause for rejection.
- 8.4 Acceptability of Core Tests - The compressive strength of the concrete in each group of culverts as defined in 8.1 is acceptable when the core test strength is equal to or greater than the design concrete strength. When the compressive strength of the core tested is less than the design concrete strength, the culvert from which that core was taken may be recorded. When the compressive strength of the recore is equal to or greater than the design concrete strength, the compressive strength of the concrete in that group of culverts is acceptable.
- 8.4.1 When the compressive strength of any recore is less than the design concrete strength, the culvert from which that core was taken shall be rejected. Two culverts from the remainder of the group shall be selected at random and one core shall be taken from each. If the compressive strength of both cores is equal to or greater than the design concrete strength, the compressive strength of the remainder of that group of culverts is acceptable. If the compressive strength of either of the two cores tested is less than the design concrete strength, the remainder of the group of culverts shall be rejected or, at the option of the manufacturer, each culvert of the remainder of the group shall be cored and accepted individually, and any of these culverts that have cores with less than the design concrete strength shall be rejected.
- 8.4.2 Plugging Core Holes - The core holes shall be plugged and sealed by the manufacturer in a manner such that the culvert will meet all of the test requirements of this specification. Culverts so sealed shall be considered satisfactory for use.
- 8.4.3 Test Equipment - Every manufacturer furnishing culverts under this specification shall furnish all facilities and personnel necessary to carryout the test required.

- 8.5 Full Load Scale Testing – Qualified manufacturers must submit at least two (2) independently verified full-scale load tests that confirm the proposed design methodology of the three-sided arch structures.

9. JOINTS

The culverts shall be produced with flat butt ends. The ends of the culvert shall be such that when the sections are laid together they will make a continuous line of culverts with a smooth interior free of appreciable irregularities, all compatible with the permissible variations in Section 7. The joint width shall not exceed 3/4 inches.

10. WORKMANSHIP AND FINISH

The culverts shall be substantially free of fractures. The ends of the culverts shall be normal to the walls and centerline of the culvert section, within the limits of the variations given in section 7, except where beveled ends are specified. The surface of the culverts shall be a smooth steel form or troweled surface. Trapped air pockets causing surface defects shall be considered as part of a smooth steel form finish.

11. REPAIRS

Culverts may be repaired, if necessary, because of imperfections in manufacture or handling damage and will be acceptable if, in the opinion of the purchaser, the repairs are sound, properly finished and cured, and the repaired section conforms to the requirements of this specification.

12. INSPECTION

The quality of materials, the process of manufacture, and the finished culverts shall be subject to inspection by the purchaser.

13. REJECTION

Culverts shall be subject to rejection on account of any of the specification requirements. Individual culverts may be rejected because of any of the following:

- 13.1 Fractures or cracks passing through the wall, except for a single end crack that does not exceed one half the thickness of the wall.
- 13.2 Defects that indicates proportioning, mixing, and molding not in compliance with Section 5.
- 13.3 Honeycombed or open texture.
- 13.4 Damaged ends, where such damage would prevent making a satisfactory joint.

14. MARKING

Each culvert shall be clearly marked by waterproof paint. The following shall be shown on the inside of the vertical leg of the culvert section:

Culvert Section Span X Culvert Rise
Date of Manufacture
Name or trademark of the manufacturer

15. CONSTRUCTION REQUIREMENTS

- 15.1 Footings - the culverts shall be installed on either precast or cast-in-place concrete footings. The design size and elevation of the footers shall be as determined by the Engineer. A three inch deep keyway shall be formed in the top surface of the footing three inches clear of the inside and outside faces of the culvert, unless specified otherwise on the plans. The footings shall be given a smooth float finish and shall reach a compressive strength of 2,000 psi before placement of the culvert sections. The completed footing surface shall be constructed in accordance with grades shown on the plans. When tested with a 10 foot straight edge, the surface shall not vary more than 1/4 inch in 10 feet. If a precast concrete footer is used, the contractor shall prepare a 4 inch thick layer of compacted granular material the full width of the footer prior to placing the precast footer.
- 15.2 Placement of the Culverts - The culverts shall be placed as shown on the Engineer's plan drawings. Special care shall be taken in setting the culverts to the true line and grade. The culverts shall be set on 6" X 6" masonite or steel shims. A minimum of 1/2 inch gap shall be provided between the footing and the bottom of the culvert's vertical legs. The gap shall be filled with cement grout (portland cement and water or cement mortar composed of one part portland cement and three parts of sand, by volume, and water.)
- 15.3 External Protection of Joints - The butt joint made by two adjoining culverts shall be covered with a 7/8" x 1 3/8" piece of preformed bituminous joint sealant and a minimum of a nine inch wide joint wrap. The surface shall be free of dirt before applying the joint material. A primer compatible with the joint wrap to be used shall be applied for a minimum width of nine inches on each side of the joint. The external wrap shall be either EZ-WRAP RUBBER by PRESS-SEAL GASKET CORPORATION, SEAL WRAP by MAR MAC MANUFACTURING CO. INC. or approved equal. The joint shall be covered continuously from the bottom of one culvert section leg, across the top of the arch and to the opposite culvert section leg. Any laps that result in the joint wrap shall be a minimum of six inches long with the overlap running downhill.

In addition to the joints between units, the joint between the end unit and the headwall shall also be sealed. If using precast wingwalls, the joint between the end bridge unit and the wingwall shall be sealed with this type of wrap or at the discretion of the Engineer, filter fabric shall be substituted.

During the backfilling operation, care shall be taken to keep the joint wrap in its proper location over the Joint.

5	1.86	2.05	X	X	X	X	X	X	X	X
6	1.99	2.18	2.84	X	X	X	X	X	X	X
7	2.12	2.31	2.99	3.56	X	X	X	X	X	X
8	2.24	2.44	3.14	3.71	4.06	X	X	X	X	X
9	2.36	2.57	3.29	3.86	4.23	X	X	X	X	X
10	2.49	2.69	3.44	4.01	4.40	4.86	X	X	6.59	X
11	X	2.81	3.59	4.16	4.58	5.03	5.48	5.71	6.79	X
12	X	X	X	4.31	4.76	5.21	5.68	5.92	6.99	7.54
13	X	X	X	X	4.93	5.39	5.88	6.12	7.19	7.76

AI-44995

7.

DRAINAGE DISTRICT

Meeting Date: 06/17/2014

Submitted By: Sylvia Sanchez, DRAINAGE
DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

Discussion and action to approve First Amendment Between TheCounty of Hidalgo, The Edinburg Consolidated Independent School District, The City of McAllen And The Hidalgo County Drainage District No. 1; regarding Mile 17 1/2 Road project.

BACKGROUND

Form Review

Inbox	Reviewed By	Date
Budget & Management	Debbie Tamez	06/12/2014 09:43 AM
Final Approval	Monica Badillo	06/13/2014 05:17 PM
Form Started By: Sylvia Sanchez		Started On: 06/12/2014 08:59 AM
	Final Approval Date: 06/13/2014	

AI-44998

8.

DRAINAGE DISTRICT

Meeting Date: 06/17/2014

Submitted By: Sylvia Sanchez, DRAINAGE DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

Discussion and action to approve Interlocal Cooperation Agreement Between Hidalgo County And Hidalgo County Drainage District No.1 as it pertains to maintenance of Drainage Facilities, as outline in attached agreement.

BACKGROUND

Form Review

Inbox	Reviewed By	Date
Budget & Management	Debbie Tamez	06/12/2014 09:44 AM
Final Approval	Monica Badillo	06/13/2014 05:17 PM
Form Started By: Sylvia Sanchez		Started On: 06/12/2014 09:07 AM
	Final Approval Date: 06/13/2014	

AI-45069

9.

DRAINAGE DISTRICT

Meeting Date: 06/17/2014

Submitted By: Claudette Guerrero, DRAINAGE DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

2013 Bond Series-Payments:

A. Request Approval of Application of Payment No. 3 in the amount of \$190,210.96 from Rojas Construction & Paving, LLC related to Contract No. HCDD1-14-001-01-21 Pct.2 Rural Drainage Development -Northside Village/Hidden Valley Subd Area Drainage Improvements from Agreement for Professional Engineering Services for the 2012 Bond Referendum Rural Drainage Development Program Pct.2

B. Request approval of Estimate No. 5 to IPR South Central, LLC in the amount of \$750, 618.75 pertaining to Contract No. TP07-13 through the District's membership with HGAC-Buy Member No.07-149 approved by Board on 11-12-2013 for the construction of the Rado Drain Reroute Rehabilitation

BACKGROUND

Attachments

1
2

Form Review

Inbox	Reviewed By	Date
Budget & Management	Debbie Tamez	06/13/2014 04:54 PM
Final Approval	Monica Badillo	06/13/2014 05:17 PM
Form Started By: Claudette Guerrero		Started On: 06/13/2014 04:50 PM
	Final Approval Date: 06/13/2014	

HIDALGO COUNTY DRAINAGE DISTRICT NUMBER ONE

902 NORTH DOGUE

EDINBURG, TEXAS 78542

(956) 292-7080

FAX (956) 292-7089



GODFREY GARZA, JR.
MANAGER

INVOICE PROCESSING CHECKLIST

Date Received: 6/2/14

Engineer/Firm Name: Melden & Hunt Inc.

Project Name/Number: RADO Drain: Repair of 114' CMP Pipeline

Invoice No: ESTIMATE # 5

Logged in and Scanned 230 6/2/14 By: Rosa Arce Forwarded to: Norma Reyna

Engineer	Name	Date	Comment
Scope of work reviewed			

Accounting	Name	Date	Comment
Encumbrance			
Purchase Order Attached			
Audit			
Final Approval for Agenda			

	Name	Date	Comment
Placed on Agenda			

Additional Comments: _____

Melden and Hunt, Inc
115 W. McIntyre
Edinburg, TX 78541

Transmittal

To: Jaime Salazar, HCDD #1
From: Celestine Stewart, Admin. Assistant
CC:
Date: 5-30-14
Re: Rado Drain –Repair of 114' CMP Pipeline

Transmitted herewith is Pay Estimate #5 for the above referenced project. Please process for payment and pay them direct.

Job #07129.01

Signature

Date

RECEIVED
HIDALGO COUNTY
DRAINAGE DISTRICT #1

JUN 02 2014

9:34 AM PM
BY: *Rosa Vico*

Phone (956) 381-0981

Fax (956) 381-1839

E-mail: tina@meldenandhunt.com

MAY 28

To: Melden & Hunt Inc.

INVOICE

Estimate No: 5
Work Completed Thru: 28-May-14
Invoice Date: 30-May-14

From: Inland Pipe Rehab South Central
7600 S. Santa Fe, Bldg "E"
Houston, Texas 77061
713-634-0439, Fax 713-634-0489

Project: Hidalgo County Drainage District
RADO Storm Sewer Rehab by Trenchless Method



PAY ITEM	DESCRIPTION	UNIT	UNIT PRICE	BID QUANTITY	PREVIOUS ESTIMATE	PERIOD QUANTITY	THIS ESTIMATE	TO-DATE RPTD QTYS	TOTAL TO DATE
1	A-30 Clean and TV Storm Sewer	LF	\$ 55.20	4420	4420	0	\$0.00	4420	\$243,984.00
2	A-42 Heavy Debris Removal - Man Entry	LF	\$ 350.00	250	250	0	\$0.00	250	\$87,500.00
3	B-12 Storm Pipe - ECO Cast Rehabilitation - 1.5" Thickness	LF	\$ 1,075.00	4420	1475	735	\$790,125.00	2210	\$2,375,750.00
ADDITIONAL WORK									
4	Large Diameter Point Repair of 114' CMP Pipe Line	LS	\$ 517,060.80	1	1	0	\$0.00	1	\$517,060.80
5	Up grade Pipe Size from 102" to 114"	LS		1		0	\$0.00	0	\$0.00

Earned this Period	\$790,125.00	Earned to Date	\$3,224,294.80
		5% Retainage	\$161,214.74
		Total Payments Due	\$3,063,080.06
		Less Previous Payments	\$2,312,461.31
		Amount Due this Estimate	\$750,618.75

Submitted: *B. MacArthur* 5/28/14
Inland Pipe Rehab SC Date

Approved: *Paul H. Kuehl* 5-30-14
Melden & Hunt Inc. Date

RECEIVED
HIDALGO COUNTY
DRAINAGE DISTRICT #1

JUN 02 2014

9:23 AM / PM

BY: *Rosa Lice*



EMAILED

to owner 5-30-14

**AFFIDAVIT OF ALL BILLS PAID
AND LIEN RELEASE**

STATE OF TEXAS
COUNTY OF HARRIS

THE UNDERSIGNED was contracted or hired by **Hidalgo County Drainage District** to furnish labor and/or materials in connection with certain improvements to real property described as follow:

Contractor: **IPR South Central, LLC**

Job Name: **RADO Storm Sewer Rehab
By Trenchless Method**

Job Description: **Rehabilitation**

For Work Performed Through: **May 2014**

Job Location: **Hidalgo County**

The undersigned certifies and warrants that there are no known mechanic's or material man's liens outstanding as of the date hereof, that all bills incurred by it with respect to the Work have been paid in full, and that there is no known basis for the filling of any mechanic's or material man's lien on the property and/or improvements above described by any person or entity performing work on behalf of the undersigned,; and to the extent permitted by applicable law, the undersigned does hereby waive and release any mechanic's or material man's lien or claims of lien of any other such person or entity, and further agrees to indemnify and hold the owner harmless from any said lien or claim including the payment of related costs, expenses, and responsible attorney's fees.

IPR South Central, LLC
CONTRACTOR

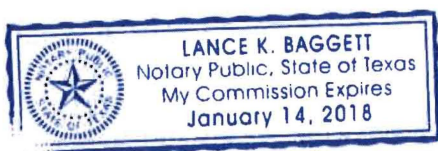
Gerald Hoff
SIGNATURE

Gerald Hoffpauir
PRINTED NAME

PROJECT MANAGER
TITLE

SUBSCRIBED AND SWORN to before me, the undersigned on this the 30th day of May, 2014.

Lance K. Baggett
Notary Public for the State of Texas
My Commission Expires:



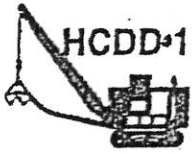
HIDALGO COUNTY DRAINAGE DISTRICT NUMBER ONE

902 NORTH DOOLITTLE

EDINBURG, TEXAS 78542

(958) 292-7080

FAX (958) 292-7089



GODFREY GARZA, JR.
MANAGER

INVOICE PROCESSING CHECKLIST

Data Received: 5/16/14

Engineer/Firm Name: R. Gutierrez Eng.

Project Name/Number: Pct 2 Rural Drainage Dew. N. side village / Hidden Valley Subd. Area Drainage Imp.

Invoice No: PMT # 3

Logged in and Scanned: 1131 5/16/14 By: Rosa Lee Forwarded to: Norman Reynier

Engineer	Name	Date	Comment
Scope of work reviewed			

Accounting	Name	Date	Comment
Encumbrance			
Purchase Order Attached			
Audit			
Final Approval for Agenda			

	Name	Date	Comment
Placed on Agenda			

Additional Comments: _____

MAY 16 2014

APPLICATION FOR PMT #3

11:16 AM/PM

BY: Rosalice (OWNER)
(CONTRACTOR)

To: Hidalgo County Drainage District No. 1
From: Rojas Consturction & Paving, LLC
Contract: HCDD1-14-001-01-21
Project: PCT2 Rural Drainage Development - Northside Village / Hidden Valley Subd Area Drainage Improvements
OWNER's Contract No. HCDD1-14-001-01-21
For Work accomplished through the date of: May 6, 2014

ENGINEER's Project No.: ENG13.001

1. Original Contract Price:	\$	693,763.81
2. Net change by Change Orders and Written Agreements (+ or -):	\$	43,800.00
3. Current Contract Price (1 plus 2):	\$	737,563.81
4. Total completed and stored to date:	\$	628,399.06
5. Retainage (per Agreement):		
<u>5% of completed Work:</u>	\$	31,419.95
<u>5% of stored material:</u>	\$	-
Total Retainage:	\$	31,419.95
6. Total completed and stored to date less retainage (4 minus 5):	\$	596,979.11
7. Less previous Application for Payments:	\$	(406,768.15)
8. Balance to Finish:	\$	109,164.75
9. AMOUNT DUE THIS APPLICATION (6 MINUS 7):	\$	190,210.96

Accompanying Documentation:

CONTRACTOR'S Certification:

The undersigned CONTRACTOR certifies that (1) all previous progress payments received from OWNER on account of Work done under the Contract referred to above have been applied on account to discharge CONTRACTOR's legitimate obligations incurred in connection with Work covered by prior Applications for Payment numbered 1 through PMT #3 inclusive; (2) title of all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to OWNER at time of payment free and clear of all Liens, security interests and encumbrances (except such as are covered by a Bond acceptable to OWNER indemnifying OWNER against any such Lien, security interest or encumbrance); and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and not defective.

Dated 5/12/14

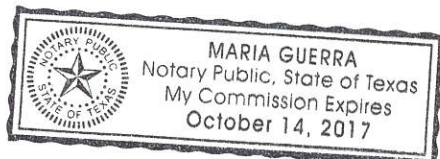
Rojas Consturction & Paving, LLC
CONTRACTOR

By: [Signature]

State of Texas
County of Hidalgo

Subscribed and sworn to before me this 15th
day of May

[Signature]
Notary Public
My Commission expires: 10-14-2017



Payment of the above AMOUNT DUE THIS APPLICATION is recommended.

Dated 05/16/2014

R. GUTIERREZ ENGINEERING CORPORATION
ENGINEER

By: [Signature]

Schedule of Values

Contractor Name: Rojas Consturction & Paving, LLC
 Starting Date: February 24, 2014
 Project Ending Date: May 9, 2014
 Project Desc: PCT2 Rural Drainage Development - Northside Village / Hidden Valley Subd Area Drainage Improvements
 Retainage Percent: 5%

Application: PMT #3
 Application Date: 3/26/2014
 Period To: 5/6/2014
 Engineer's Project No.: ENG13.001
 Engineer Firm: R. Gutierrez Eng. Corp.

Summary																	
Contract Number	Description	Original Schedule Value	C.O. #1 Schedule Value	Application #1	Retainage for App #1	Payment for Application #1	Application #2	Retainage for App #2	Payment for Application #2	Application #3	Retainage for App #3	Payment for Application #3	Total Completed to Date	Retainage to Date	Total Completed Less Retainage	Previous Payments	Balance To Finish
HCDD1-14-001-01-21	PCT2 Rural Drainage Development - Northside Village / Hidden Valley Subd Area Drainage Improvements	\$ 693,763.81	\$ 737,563.81	\$ 94,397.50	\$ 4,719.88	\$ 89,677.62	\$ 333,779.50	\$ 16,688.97	\$ 317,090.53	\$ 200,222.06	\$ 10,011.10	\$ 190,210.96	\$ 628,399.06	\$ 31,419.95	\$ 596,979.11	\$ 406,768.15	\$ 109,164.75
TOTALS:		\$ 693,763.81	\$ 737,563.81	\$ 94,397.50	\$ 4,719.88	\$ 89,677.62	\$ 333,779.50	\$ 16,688.97	\$ 317,090.53	\$ 200,222.06	\$ 10,011.10	\$ 190,210.96	\$ 628,399.06	\$ 31,419.95	\$ 596,979.11	\$ 406,768.15	\$ 109,164.75

RECEIVED
 HIDALGO COUNTY
 DRAINAGE DISTRICT #1

MAY 16 2014

11:16 AM

BY: *Rosalice*

Contractor Name: Rojas Consturction & Paving, LLC
 Starting Date: February 24, 2014
 Project Ending Date: May 9, 2014
 Project Desc: PCT2 Rural Drainage Development - Northside Village / Hidden Valley Subd Area Drainage Improvements

Application: PMT #3
 Application Date: March 26, 2014
 Period To: May 6, 2014
 Engineer's / County Project No.: ENG13.001

No.	Item Code	Description	Unit	Original Schedule Value			Change Order #1 Revised Schedule Value			Previous Applications		Application #3			Balance To Finish		
				Original Rates	Quan	Dollars	Revised Rates	Quan	Dollars	QTY	Item Cost (Monthly)	Monthly Quan	QTY to Date	Item Cost (Monthly)	Total to Date	Quan	Dollars
HIDDEN VALLEY SUBDIVISION AREA																	
1	100	Preparation R.O.W. (Trees) (Dia. Varies)	EA	\$ 1,200.00	8.00	\$ 9,600.00	\$ 1,200.00	8.00	\$ 9,600.00	8.00	\$ 9,600.00				0.00	\$ -	
2	110	Cellulose Fiber Mulch Seeding (Permanent) (Rural) (Clay)	SY	\$ 1.25	2,415.00	\$ 3,018.75	\$ 1.25	2,415.00	\$ 3,018.75	-	\$ -				2,415.00	\$ 3,018.75	
3	132	Vegetated Watering	MG	\$ 150.00	26.90	\$ 4,035.00	\$ 150.00	26.90	\$ 4,035.00	-	\$ -				26.90	\$ 4,035.00	
4	164	Trench Excavation Protection	LF	\$ 1.75	1,780.00	\$ 3,115.00	\$ 1.75	1,780.00	\$ 3,115.00	1,660.00	\$ 2,905.00	120.00	120.00	\$ 210.00	\$ 3,115.00	0.00	\$ -
5	400	Concrete Riprap (CL B) (5")	CY	\$ 385.00	19.00	\$ 7,315.00	\$ 385.00	19.00	\$ 7,315.00	10.00	\$ 3,850.00	9.00	9.00	\$ 3,465.00	\$ 7,315.00	0.00	\$ -
6	400	Concrete Box Culvert (7-Ft x 3-Ft)	LF	\$ 401.31	64.00	\$ 25,683.84	\$ 401.31	64.00	\$ 25,683.84	-	\$ -	64.00	64.00	\$ 25,683.84	\$ 25,683.84	0.00	\$ -
7	402	Reinforced Concrete Pipe (24-IN) (CL III) (SPL)	LF	\$ 38.00	12.00	\$ 456.00	\$ 38.00	12.00	\$ 456.00	12.00	\$ 456.00				12.00	\$ 456.00	
8	432	Reinforced Concrete Pipe (36-IN) (CL III) (SPL)	LF	\$ 70.00	320.00	\$ 22,400.00	\$ 70.00	320.00	\$ 22,400.00	320.00	\$ 22,400.00				320.00	\$ 22,400.00	
9	432	Reinforced Concrete Pipe (42-IN) (CL III) (SPL)	LF	\$ 85.00	316.00	\$ 26,860.00	\$ 85.00	316.00	\$ 26,860.00	316.00	\$ 26,860.00				316.00	\$ 26,860.00	
10	462	Reinforced Concrete Pipe (54-IN) (CL III) (SPL)	LF	\$ 115.00	1,076.00	\$ 123,740.00	\$ 115.00	1,076.00	\$ 123,740.00	956.00	\$ 109,940.00	120.00	120.00	\$ 13,800.00	\$ 123,740.00	0.00	\$ -
11	462	Inlet (Complete) (Ty M)	EA	\$ 3,800.00	2.00	\$ 7,600.00	\$ 3,800.00	2.00	\$ 7,600.00	2.00	\$ 7,600.00				2.00	\$ 7,600.00	
12	462	Inlet (Complete) (Ty M w/Grate)	EA	\$ 3,800.00	2.00	\$ 7,600.00	\$ 3,800.00	2.00	\$ 7,600.00	1.00	\$ 3,800.00	1.00	1.00	\$ 3,800.00	\$ 7,600.00	0.00	\$ -
13	464	Junction Box (10-ft x 5-ft)	EA	\$ 10,500.00	1.00	\$ 10,500.00	\$ 10,500.00	1.00	\$ 10,500.00	1.00	\$ 10,500.00				1.00	\$ 10,500.00	
14	464	Construction Exit (Ty II) (Install)	SY	\$ 20.00	78.00	\$ 1,560.00	\$ 20.00	78.00	\$ 1,560.00	78.00	\$ 1,560.00				78.00	\$ 1,560.00	
15	464	Construction Exit (Ty II) (Remove)	SY	\$ 15.00	78.00	\$ 1,170.00	\$ 15.00	78.00	\$ 1,170.00	-	\$ -	78.00	78.00	\$ 1,170.00	\$ 1,170.00	0.00	\$ -
16	464	Temporary Sediment Control Fence	LF	\$ 3.50	78.00	\$ 273.00	\$ 3.50	78.00	\$ 273.00	-	\$ -	78.00	78.00	\$ 273.00	\$ 273.00	0.00	\$ -
17	464	RC Low Head Pressure Pipe (CL III) (16")	LF	\$ 50.00	20.00	\$ 1,000.00	\$ 50.00	20.00	\$ 1,000.00	20.00	\$ 1,000.00				20.00	\$ 1,000.00	
18	464	Biodegradable Erosion Control Logs (12" Dia)	LF	\$ 20.00	24.00	\$ 480.00	\$ 20.00	24.00	\$ 480.00	-	\$ -	24.00	24.00	\$ 480.00	\$ 480.00	0.00	\$ -
19	465	Barricades, Signs and Traffic Handling	MO	\$ 8,500.00	1.00	\$ 8,500.00	\$ 8,500.00	1.00	\$ 8,500.00	1.00	\$ 8,500.00				1.00	\$ 8,500.00	
Total Hidden Valley Subdivision Area						\$ 264,906.59			\$ 264,906.59		\$ 208,971.00		\$ 48,881.84	\$ 257,852.84		\$ 7,053.75	
NORTHSIDE VILLAGE SUBDIVISION AREA																	
1	100	Cellulose Fiber Mulch Seeding (Permanent) (Rural) (Clay)	SY	\$ 1.35	1,220.00	\$ 1,647.00	\$ 1.35	1,220.00	\$ 1,647.00	-	\$ -				1,220.00	\$ 1,647.00	
2	110	Vegetated Watering	MG	\$ 150.00	13.56	\$ 2,034.00	\$ 150.00	13.56	\$ 2,034.00	-	\$ -				13.56	\$ 2,034.00	
3	110	Cut & Restore Pavement	SY	\$ 35.00	1,388.00	\$ 48,580.00	\$ 35.00	1,388.00	\$ 48,580.00	-	\$ -				1,388.00	\$ 48,580.00	
4	132	Cut & Restore Asphalt Drive	SY	\$ 29.00	29.00	\$ 1,015.00	\$ 29.00	29.00	\$ 1,015.00	-	\$ -				29.00	\$ 1,015.00	
5	164	Cut & Restore Caliche Drive	SY	\$ 22.00	143.00	\$ 3,146.00	\$ 22.00	143.00	\$ 3,146.00	-	\$ -	143.00	143.00	\$ 3,146.00	\$ 3,146.00	0.00	\$ -
6	247	Trench Excavation Protection	LF	\$ 1.75	2,446.00	\$ 4,280.50	\$ 1.75	2,446.00	\$ 4,280.50	1,352.00	\$ 2,366.00	1,094.00	1,094.00	\$ 1,914.50	\$ 4,280.50	0.00	\$ -
7	400	Concrete Riprap (CL B) (5")	CY	\$ 385.00	20.00	\$ 7,700.00	\$ 385.00	20.00	\$ 7,700.00	-	\$ -	9.00	9.00	\$ 3,465.00	\$ 3,465.00	11.00	\$ 4,235.00
8	402	Concrete Box Culvert (7-Ft x 4-Ft)	LF	\$ 413.87	56.00	\$ 23,176.72	\$ 413.87	56.00	\$ 23,176.72	-	\$ -	56.00	56.00	\$ 23,176.72	\$ 23,176.72	0.00	\$ -
9	420	Reinforced Concrete Pipe (18-IN) (CL III) (SPL)	LF	\$ 30.00	45.00	\$ 1,350.00	\$ 30.00	45.00	\$ 1,350.00	-	\$ -	45.00	45.00	\$ 1,350.00	\$ 1,350.00	0.00	\$ -
10	420	Reinforced Concrete Pipe (24-IN) (CL III) (SPL)	LF	\$ 38.00	80.00	\$ 3,040.00	\$ 38.00	80.00	\$ 3,040.00	-	\$ -	80.00	80.00	\$ 3,040.00	\$ 3,040.00	0.00	\$ -
11	432	Reinforced Concrete Pipe (30-IN) (CL III) (SPL)	LF	\$ 52.00	260.00	\$ 13,520.00	\$ 52.00	260.00	\$ 13,520.00	-	\$ -	260.00	260.00	\$ 13,520.00	\$ 13,520.00	0.00	\$ -
12	432	Reinforced Concrete Pipe (36-IN) (CL III) (SPL)	LF	\$ 70.00	225.00	\$ 15,750.00	\$ 70.00	225.00	\$ 15,750.00	-	\$ -	225.00	225.00	\$ 15,750.00	\$ 15,750.00	0.00	\$ -
13	432	Reinforced Concrete Pipe (42-IN) (CL III) (SPL)	LF	\$ 85.00	312.00	\$ 26,520.00	\$ 85.00	312.00	\$ 26,520.00	-	\$ -	312.00	312.00	\$ 26,520.00	\$ 26,520.00	0.00	\$ -
14	462	Reinforced Concrete Pipe (54-IN) (CL III) (SPL)	LF	\$ 140.00	1,424.00	\$ 199,360.00	\$ 140.00	1,424.00	\$ 199,360.00	1,352.00	\$ 189,280.00	72.00	72.00	\$ 10,080.00	\$ 199,360.00	0.00	\$ -
15	464	Inlet (Complete) (Ty CC)	EA	\$ 3,500.00	2.00	\$ 7,000.00	\$ 3,500.00	2.00	\$ 7,000.00	-	\$ -	2.00	2.00	\$ 7,000.00	\$ 7,000.00	0.00	\$ -
16	465	Inlet (Complete) (Ty C)	EA	\$ 3,000.00	2.00	\$ 6,000.00	\$ 3,000.00	2.00	\$ 6,000.00	-	\$ -	2.00	2.00	\$ 6,000.00	\$ 6,000.00	0.00	\$ -
17	466	Inlet (Complete) (Ty A)	EA	\$ 3,000.00	2.00	\$ 6,000.00	\$ 3,000.00	2.00	\$ 6,000.00	-	\$ -	2.00	2.00	\$ 6,000.00	\$ 6,000.00	0.00	\$ -
18	506	Inlet (Complete) (Ty M w/Grate)	EA	\$ 3,500.00	1.00	\$ 3,500.00	\$ 3,500.00	1.00	\$ 3,500.00	-	\$ -	1.00	1.00	\$ 3,500.00	\$ 3,500.00	0.00	\$ -
19	540	Inlet (Complete) (Ty M)	EA	\$ 3,500.00	3.00	\$ 10,500.00	\$ 3,500.00	3.00	\$ 10,500.00	2.00	\$ 7,000.00	1.00	1.00	\$ 3,500.00	\$ 10,500.00	0.00	\$ -
20	4512	Junction Box (10-ft x 5-ft)	EA	\$ 10,500.00	3.00	\$ 31,500.00	\$ 10,500.00	3.00	\$ 31,500.00	1.00	\$ 10,500.00	2.00	2.00	\$ 21,000.00	\$ 31,500.00	0.00	\$ -
21	4512	Temporary Sediment Control Fence	LF	\$ 3.50	208.00	\$ 728.00	\$ 3.50	208.00	\$ 728.00	-	\$ -	208.00	208.00	\$ 728.00	\$ 728.00	0.00	\$ -
22	116800	Construction Exit (Ty II) (Install)	SY	\$ 20.00	78.00	\$ 1,560.00	\$ 20.00	78.00	\$ 1,560.00	78.00	\$ 1,560.00				78.00	\$ 1,560.00	
23	999999	Construction Exit (Ty II) (Remove)	SY	\$ 15.00	78.00	\$ 1,170.00	\$ 15.00	78.00	\$ 1,170.00	-	\$ -	78.00	78.00	\$ 1,170.00	\$ 1,170.00	0.00	\$ -
24	1001	RC Low Head Pressure Pipe (CL III) (16")	LF	\$ 50.00	16.00	\$ 800.00	\$ 50.00	16.00	\$ 800.00	-	\$ -	-	-	\$ -	16.00	\$ 800.00	
25	1001	Biodegradable Erosion Control Logs (12" Dia)	LF	\$ 20.00	24.00	\$ 480.00	\$ 20.00	24.00	\$ 480.00	-	\$ -	24.00	24.00	\$ 480.00	\$ 480.00	0.00	\$ -
26	1002	Barricades, Signs and Traffic Handling	MO	\$ 8,500.00	1.00	\$ 8,500.00	\$ 8,500.00	1.00	\$ 8,500.00	1.00	\$ 8,500.00				1.00	\$ 8,500.00	
Total Northside Village Subdivision Area						\$ 428,857.22			\$ 428,857.22		\$ 219,206.00		\$ 151,340.22	\$ 370,546.22		\$ 58,311.00	
GEARHART DRIVE																	
1	100	Safety End Treatment (18") (6:1)	EA	\$ -	0.00	\$ -	\$ 1,300.00	2.00	\$ 2,600.00	-	\$ -				2.00	\$ 2,600.00	
2	110	Roadside Ditch Excavation	LF	\$ -	0.00	\$ -	\$ 13.00	200.00	\$ 2,600.00	-	\$ -				200.00	\$ 2,600.00	
3	110	Reinforced Conrete Pipe (18-In) (CL III) (SPL)	LF	\$ -	0.00	\$ -	\$ 30.00	120.00	\$ 3,600.00	-	\$ -				120.00	\$ 3,600.00	
4	132	Inlet (Complete) (Ty CC)	EA	\$ -	0.00	\$ -	\$ 3,500.00	8.00	\$ 28,000.00	-	\$ -				8.00	\$ 28,000.00	
5	164	Inlet (Complete) (Ty M)	EA	\$ -	0.00	\$ -	\$ 3,500.00	2.00	\$ 7,000.00	-	\$ -				2.00	\$ 7,000.00	
Total Gearhart Drive Area						\$ -			\$ 43,800.00		\$ -		\$ -			\$ 43,800.00	
TOTAL BASE AMOUNTS:						\$ 693,763.81			\$ 737,563.81		\$ 428,177.00		\$ 200,222.06	\$ 628,399.06		\$ 109,164.75	

RECEIVED
 HIDALGO COUNTY
 DRAINAGE DISTRICT #1

MAY 16 2014

11:16 AM/PM

BY: Rosalva

Printed Name: Javier Gutierrez

Date: 5/15/2014

Signature:



Construction & Paving



Equipment Rental & Sales

ROJAS CONSTRUCTION & PAVING, LLC

Tel: (956) 787 8778

www.rojasheavy.net

240 Frontage Rd Alamo, TX 78516

Mr. Javier Gutierrez
R. Gutierrez Engineering Corporation
130 E. Park
Pharr, TX 78577
956.782.2557

RE: PCT 2 Rural Drainage Development – Northside Village/ Hidden Valley Subdivision
Contract No.: HCDD1-14-001-01-21

Mr. Gutierrez:

The following is a list of supplier's used in the above mentioned project, per your request:

CAPA dba: Rio Valley Pipe, LLC; Magic Valley Concrete, LLC; Upper Valley Materials, LLC
3609 W. Palma Vista Drive
Palmview, TX 78572
956.432.0600

L&R Precast Concrete Works Inc.
3807 Bentsen Palm Drive
Mission, TX 78574-8200
956.583.6293

Respectfully,

A handwritten signature in blue ink, appearing to read "Elisa Vasquez", is written over a horizontal line.

Elisa Vasquez

PARTIAL/FINAL WAIVER OF LEIN

THE STATE OF TEXAS

COUNTY OF Hidalgo

The undersigned contracted with Rojas Construction & Paving LLC to furnish manholes & junction boxes in connection with certain improvements to real property located in Hidalgo County, Texas, and owned by Hidalgo County Drainage District No. 1 Which improvements are described as follows:

Pct 2 Rural Drainage Development - Northside Village / Hidden Valley Subdivision
Drainage Improvements

In consideration of Pay Estimate No 3 in the amount of Twenty five thousand Four Hundred Fifty Two & 19/xx DOLLAR(\$ 25,452.19) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged and confessed, the undersigned does hereby waive and release any mechanic's lien or materialmen's lien or claims of lien that the undersigned has or hereafter has on the above mentioned real property on account of any labor performed or materials furnished or to be furnished or labor performed and materials furnished by the undersigned pursuant to the above-mentioned contract or any constitutional lien that the undersigned may have.

Undersigned hereby guarantees that all bids for labor performed and/or materials furnished in the erection and construction of such improvements on the Property have been fully paid and satisfied and Undersigned does further guarantee that if for any reason a lien or liens are filed for material or labor against said Property arising out of any bills for material or labor in connection with the erection or construction of said improvements thereon, Undersigned will obtain a settlement of such lien or liens and a proper release thereof shall be obtained.

[Signature]
CONTRACTOR L+R Precast

BY: President
TITLE

SWORN TO AND SUBSCRIBED BEFORE ME, on this the 13 day of May, 2014 to certify which witness my hand and seal of office.

My Commission Expires: [Signature]
AZUCENA M. CALLEROS
Notary Public, State of Texas
My Commission Expires
September 24, 2017
NOTARY PUBLIC in and for the State of Texas