

**PIPES-  
“Reinforced Concrete, Polyethylene, Heavy Wall Concrete, Polyvinyl Chloride (PVC)  
Irrigation Pipe 80 PSI, Corrugated PVC & Steel Storm Sewer Pipes, Rubber Gasket  
Joint Concrete Pipes & Additional Miscellaneous Items”**

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**INSTRUCTION TO BIDDERS**

Bidder(s) shall supply, where needed (on an “as needed” basis) in Hidalgo County, or Job Site, **“PIPES- Reinforced Concrete, Polyethylene, Heavy Wall Concrete, Polyvinyl Chloride (PVC) Irrigation Pipe 80 PSI, Corrugated PVC & Steel Storm Sewer Pipes, Rubber Gasket Joint Concrete Pipes & Additional Miscellaneous Items”**.

Bid information will be furnished to all Hidalgo County departments requiring pipes and **delivery** will involve numerous locations within Hidalgo County.

**I. LOCATIONS**

Departments requiring pipes.

**II. DELIVERY INSTRUCTIONS**

Delivery hours will be arranged with each department 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 for the bid price.

**III. BID AWARD**

1. Initial term of contract will be for a one (1) year period to commence January 01, 2009 through December 31, 2009 with Hidalgo County's option to extend the contract for an additional one (1) year under the same rates, terms and conditions.
2. Hidalgo County 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 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 County. For evaluation and consideration of items bid, samples will be submitted upon request. Categories will be as follows:

Category A: Pipes  
Category B: Inlets  
Category C: Manholes  
Category D: Miscellaneous

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** 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 County 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 County.
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 reserves the right to seek services from the next low bidder(s). In such event, County 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 County 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 County.

10. **Market Volatility and Unit Price Adjustments:**

Hidalgo County recognizes that during periods of national crisis and unstable economic conditions, unforeseen price increases might affect costs for goods and services contracted on an annual basis. The following procedure may be employed to mediate price volatility:

- **Requesting Price Adjustment:** Upon written request of the Vendor to the County Purchasing Agent, the County may review evidence of prevailing industry-wide market conditions that warrant an adjustment in bid prices contained in the contract.
- A Vendor must tie any price change clause to an industry-wide or otherwise nationally recognized index, or some other form of verifiable document. Such written request must be accompanied by a certified copy of the supplier's advisory or notification to the vendor of the price changes.
- The Vendor must put the Purchasing Agent on the mailing lists for such publications so that the Purchasing Agent can monitor said changes. Such membership shall be at no cost to the County.
- The County Purchasing Agent retains the right to determine whether or not such proposed price changes are in the best interest of the County.
- No price escalation will be authorized in excess of the amount of the increase referred to in the supplier's notice.
- The County may only grant a price increase if the evidence presented is deemed reliable. Should the County allow a price increase, the approved price change shall be honored for all orders received by the vendor or contractor after the effective date of such price change. Approved price changes are not applicable to orders already issued and in process at time of price change.
- **Price Reduction:** Vendor shall notify the County at the time when the Vendor's costs for items and/or supplies reduce due to stabilization in the market at which time prices for items on this contract shall be reduced accordingly. Failure by the Vendor to notify the County of a decrease in costs for items and/or supplies for which the Vendor was granted a price adjustment, may result in immediate termination of this contract and the County shall not be obligated to pay the Vendor the difference between the contract price and the price adjustment.
- **Time Frame for Adjusted Price Increases:** Price increases are only valid for the quarter in which they are requested and approved. Prices shall return to the original contract price at the beginning of the following quarter unless a Vendor notifies the County in writing within ten (10) days of expiration of the quarter in which the price increase is in effect, that it desires to have the price increase continue or that the Vendor is requesting a different price increase for the following quarter. Such request must be supplemented with sufficient justification to demonstrate that the price increase remains necessary. The County Purchasing Department shall have sole discretion whether to grant the price increase extension. The County too, shall have discretion to unilaterally reduce, eliminate or extend a price adjustment to the Vendor at any time upon written notice from the County to the Vendor demonstrating justification for such reduction, elimination or extension of the price adjustment.
- **Allowable Review Periods:** Price adjustment reviews may only be requested by the Vendor on a quarterly basis. However, the County may at its own discretion, conduct temporary price adjustment reviews at any time. The County Purchasing Agent and/or the County Auditor reserve the right to audit and/or examine any pertinent books, documents, papers, records or invoices relating directly to the contract transaction in question after reasonable notice and during normal business hours.
- **Dollar Limit to Price Changes:** The total increase in contract price shall not exceed twenty-five percent (25%) of the original contract price during the contract term.

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**ADDITIONAL INFORMATION**

Further information required for this project can be addressed through the Hidalgo County Purchasing Department through Olga T. Montero. Hidalgo County is also requesting that any and all questions, inquiries and clarifications regarding quotes, bids, proposal or statement or qualifications be addressed to Martha L. Salazar, CPPB/ Purchasing Agent, at 2802 S. Business Highway 281, Edinburg, Texas 78539. **TELEPHONE INQUIRIES WILL NOT BE ACCEPTED.**

All written inquiries will be accepted via facsimile no later than, Wednesday, \_\_\_\_\_ at 5:00 P.M., at (956) 318-2629. Responses to said inquiries will be sent to all applicants via facsimile by no later than 5:00 P.M., Friday, \_\_\_\_\_  
\_\_\_\_\_.

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**CORRUGATED PVC STORM SEWER PIPE  
SPECIFICATIONS**

**1.0 SCOPE:**

Polyvinyl chloride (PVC) storm sewer/drain pipe and fitting 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 D1784.

**3.0 JOINING SYSTEM:**

Joints may be either external plastic sleeve with gaskets or an integral bell-gasket 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.

**4.0 INSTALLATION**

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

Heights of Cover

<b>DIAMETER</b>	<b>CORRUGATED PVC PIPE* (AASHTO M304)</b>
<b>(INCHES)</b>	<b>(FEET)</b>
12	49
15	47
18	51
24	50
30	50

\*Minimum cover (H-20 live load)= 12" (ASTM D2321 with Class A1 embedment)

## CORRUGATED STEEL STORM SEWER PIPE SPECIFICATIONS

### 1.0 GENERAL

This item shall govern the furnishing of corrugated steel pipe and pipe-arch for culverts and storm sewer 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 A819) specification for ALUMINIZED STEEL Type 2 material or the current AASHTO M-246 (ASTM 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 pipe shall be manufactured with a minimum of two re-rolled annular ends.

### 4.0 CLASSIFICATION (TYPE)

#### FOR DIAMETERS 46" 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.

### 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 GAUGE

Unless otherwise specified on the specifications, gauges 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
All Types IA shall be 12 gauge shell and 18 gauge liner.	

### 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 pipe 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 1/2 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.

## **CORRUGATED STEEL STORM SEWER PIPE** **SPECIFICATIONS CON'T.**

### **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.

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.

### **10.0 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.

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.

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- $\frac{1}{2}$  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-7Wall 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 )**

**REINFORCED GASKET JOINT CONCRETE PIPE  
SPECIFICATIONS CON'T.**

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**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.

# DRAFT

Hidalgo County  
Bid No. 08-343-00-00

PIPES- "Reinforced Concrete, Polyethylene, Heavy Wall Concrete, Polyvinyl Chloride (PVC)  
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### (CATEGORY A) PIPES BID PAGE

REINFORCED CONCRETE PIPE			
DESCRIPTION	CLASS III PRICE	CLASS IV PRICE	CLASS V PRICE
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

POLYETHYLENE PIPE- 20 FOOT JOINTS 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

HEAVY WALL CONCRETE PIPES- 3 FOOT JOINTS	
DESCRIPTION	PRICE
15"	LF
18"	LF
24"	LF
30"	LF
36"	LF

42"	LF		
48"	LF		
<b>CORRUGATED POLYVINYL CHLORIDE (PVC) STORM SEWER PIPE</b>			
12"	LF		
15"	LF		
18"	LF		
24"	LF		
30"	LF		
36"	LF		
<b>POLYVINYL CHLORIDE (PVC) IRRIGATION PIPE, 80 PSI</b>			
10"	LF		
12"	LF		
16"	LF		
<b>CORRUGATED STEEL STORM SEWER PIPE</b> (Unit price includes one gasketed band connection for every 20 foot joint)			
<b>DIAMETER</b>	<b>TYPE "IR" PIPE</b>	<b>TYPE "I" PIPE</b>	<b>TYPE "IA" PIPE</b>
36"			
42"			
48"			
54"			
60"			
66"			
72"			
78"			
84"			
90"			
96"			
102"			
108"			
114"			
120"			
126"			
132"			
138"			
144"			
<b>RUBBER GASKET JOINT CONCRETE PIPE</b>			
<b>DESCRIPTION</b>	<b>PRICE</b>		
8'X12"	LF		
8'X15"	LF		

8'X18"	LF
8'X24"	LF
8'X30"	LF
8'X36"	LF
8'X42"	LF
8'X48"	LF

**PLUMBING PIPES- 20 FOOT SECTIONS**

PVC	PRICE	COPPER	PRICE
1/2"			
1 1/2"		1/2"	
2"		3/4"	
3"			
4"			

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Hidalgo County  
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**(CATEGORY B) INLETS BID PAGE**

DESCRIPTION	PRICE															
	2'	2 ½'	3'	3 ½'	4'	4 ½'	5'	5 ½'	6'	6 ½'	7'	7 ½'	8'	8 ½'	9'	10'
TY "A" INLET																
TY "A" (SPL-1) INLET																
TY "C" INLET																
TY "CC" INLET																
TY "F" INLET																
TY "F" (SPL-1) INLET																

**(CATEGORY C) MANHOLES**

DESCRIPTION	PRICE													
	3 ½'	4'	4 ½'	5'	5 ½'	6'	6 ½'	7'	7 ½'	8'	8 ½'	9'	9 ½'	10'
TY "A" MANHOLE														
TY "A-1" MANHOLE														
TY "M" MANHOLE														

**(CATEGORY D) MISCELLANEOUS**

PORTABLE WATER SUPPLY ITEMS		
DESCRIPTION	UNIT	PRICE
8" WATER VALVE	EA	
FIRE HYDRANT W/ VALVE	EA	
8" PVC SCHEDULE 40 WATER LINE DR18	LF	
2" PVC SCHEDULE 40 WATER LINE DR 18	LF	
1.5" PVC SCHEDULE 40	LF	
0.75" PVC SCHEDULE 40	LF	
0.5" PVC SCHEDULE 40	LF	
8" 90 DEGREE ELL	EA	
8"X2" WATER SADDLE W/ 2' CORPORATE VALVE	EA	