

DATE: 5/27/2016

INVITATION TO BID
THIS IS NOT AN ORDER

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BID NO.: 50-00116776

JEFFERSON PARISH

PURCHASING DEPARTMENT
P.O. BOX 9
GRETNA, LA. 70054-0009
504-364-2678

VENDOR: _____

BUYER: SFOLSE

As per LSA-RS 47:301 et seq., all governmental bodies are excluded from payment of sales taxes to any Louisiana taxing body. Quotations shall be based on F.O.B. Agency warehouse or jobsite, anywhere within the Parish as designated by the Purchasing Department.

JEFFERSON PARISH reserves the right to cancel all or any part of an order if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel at any time and for any reason by issuing a THIRTY (30) day written notice to the contractor.

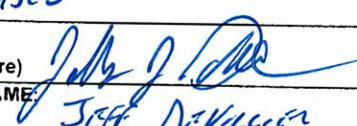
JEFFERSON PARISH is expecting all products to be new and all work is to be done in a workman-like manner, according to standard practices. Any deviations or alterations from the specifications must be indicated and backup documentation supplied with your quotation.

DELIVERY: FOB JEFFERSON PARISH	
INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES	<u>5-7 DAYS</u>
INDICATE STARTING TIME (IN DAYS) FOR CONSTRUCTION WORK	_____
INDICATE COMPLETION TIME (IN DAYS) FOR CONSTRUCTION WORK	_____

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: _____
 NUMBER: _____
 NUMBER: _____
 NUMBER: _____

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) _____

*** ALL BIDDERS MUST COMPLETE SECTION BELOW ***	
FIRM NAME: <u>Cmsco</u>	
SIGNATURE: (Must be signed here)	TITLE:
	<u>SALCS</u>
PRINT OR TYPE NAME: <u>JEFF DEVICIOR</u>	
ADDRESS: <u>1840 L & A Rd.</u>	
CITY, STATE: <u>METairie, LA</u>	ZIP: <u>70001</u>
TELEPHONE: <u>(504) 835-7319</u>	FAX: <u>(504) 832-0820</u>
EMAIL ADDRESS: <u>JEFF@Cmscocom - com</u>	

TOTAL PRICE OF ALL BID ITEMS: \$ 5892.00

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INVITATION TO BID FROM JEFFERSON PARISH - continued

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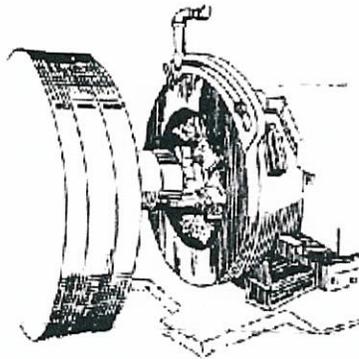
SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	120.00	LF	STOCK SUPPLIES NEEDED FOR THE JEFFERSON PARISH WB DEPARTMENT OF SEWERAGE		
			0010 - PIPE, DUCTILE IRON, 4 INCH, CLASS 52, FLANGED X FLANGED, NO ACCESSORIES, WITH PROTECTO 401 CERAMIC EPOXY INTERIOR COATING/LINING, FACTORY ASPHALTIC EXTERIOR COATING SK NUMBER 00-0500640	44.75	5370 ⁰⁰
2	10.00	EA	0020 - WYE, 8 INCH X 6 INCH, ALL BELL, GASKETED SEWER LINE FITTING, SDR-35	33 ⁰⁰	330 ⁰⁰
			PVC SK NUMBER 00-0133520		
3	4.00	EA	0030 - WYE, PVC, 6 IN., DOUBLE, ALL BELL, SDR-35	48 ⁰⁰	192 ⁰⁰
			SK NUMBER 00-013350B		

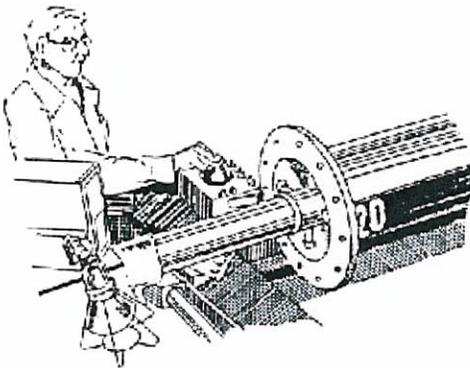
Flange Ductile Iron Pipe – Data

Ductile Iron Pipe is commonly fabricated for use as interior process piping in water and sewage treatment facilities and has been covered by ANSI Standards since 1926. Under direction of committee A/21 of AWWA, this standard is subject to periodic review and is updated to include fabricator practices reflecting current usage in the industry.

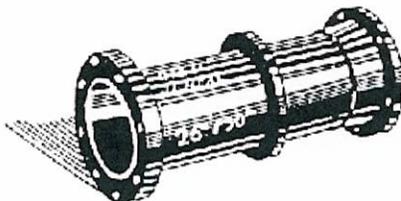
Flanged Ductile Iron Pipe is fabricated by means of threading the pipe and attaching threaded companion flanges in accordance with ANSI/ AWWA C115 / A21.15.



Taper pipe threads in accordance with ANSI B2.1 Table 15.1 and 15.2 of above Standard.



Machine tightened flanges and pipe ends shall be faced after fabrication.



Length, weight and fabrication mark, (if other than flange manufacturer) must appear on each piece of fabricated pipe.

I. Condition of Ductile Iron Prior to Surface Preparation

All ductile pipe and fittings shall be delivered to the application facility without asphalt, cement lining, or any other lining on the interior surface. Because removal of old linings may not be possible, the intent of this specification is that the entire interior of the ductile iron pipe and fittings shall not have been lined with any substance prior to the application of the specified lining material and no coating shall have been applied to the first six inches of the exterior of the spigot ends.

II. Lining Material

The Standard of Quality is **Protecto 401** Ceramic Epoxy. The material shall be an amine cured novalac epoxy containing at least 20% by volume of ceramic quartz pigment. Any request for substitution must be accompanied by a successful history of lining pipe and fittings for sewer service, a test report verifying the following properties, and a certification of the test results.

A. A permeability rating of 0.00 when tested according to Method A of ASTM E-96-66, Procedure A with a test duration of 30 days.

B. The following test must be run on coupons from factory lined ductile iron pipe:

1. ASTM B-117 Salt Spray (scribed panel) - Results to equal 0.0 undercutting after two years.
2. ASTM G-95 Cathodic Disbondment 1.5 volts @ 77 F. Results to equal no more than 0.5mm undercutting after 30 days.
3. Immersion Testing rated using ASTM D-714-87.
 - a. 20% Sulfuric Acid - No effect after two years.
 - b. 140 F 25% Sodium Hydroxide - No effect after two years.
 - c. 160 F Distilled Water - No effect after two years.
 - d. 120 F Tap Water (scribed panel) - 0.0 undercutting after two years with no effect.

C. An abrasion resistance of no more than 3 mils (.075mm) loss after one million cycles using European Standard EN 598: 1994 Section 7.8 Abrasion Resistance.

III. APPLICATION**A. Applicator**

The lining shall be applied by a competent firm with a successful history of applying linings to the interior of ductile iron pipe and fittings.

B. Surface Preparation

Prior to abrasive blasting, the entire area to receive the protective compound shall be inspected for oil, grease, etc. Any areas with oil, grease, or any substance which can be removed by solvent, shall be solvent cleaned to remove those substances. After the surface has been made free of grease, oil or other substances, all areas to receive the protective compounds shall be abrasive blasted using sand or grit abrasive media. The entire surface to be lined shall be struck with the blast media so that all rust, loose oxides, etc., are removed from the surface. Only slight stains and tightly adhering oxide may be left on the surface. Any area where rust reappears before lining must be reblasted.

Continued ...

Surface Preparation

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C. Lining

After the surface preparation and within 8 hours of surface preparation, the interior of the pipe shall receive 40 mils nominal dry film thickness of Protecto 401. No lining shall take place when the substrate or ambient temperature is below 40 degrees Fahrenheit. The surface also must be dry and dust free. If flange pipe or fittings are included in the project, the lining shall not be used on the face of the flange.

D. Coating of Bell Sockets and Spigot Ends

Due to the tolerances involved, the gasket area and spigot end up to 6 inches back from the end of the spigot end must be coated with 6 mils nominal, 10 mils maximum using Protecto Joint Compound. The Joint Compound shall be applied by brush to ensure coverage. Care should be taken that the Joint Compound is smooth without excess buildup in the gasket seat or on the spigot ends. Coating of the gasket seat and spigot ends shall be done after the application of the lining.

E. Number of Coats

The number of coats of lining material applied shall be as recommended by the lining manufacturer. However, in no case shall this material be applied above the dry thickness per coat recommended by the lining manufacturer in printed literature. The maximum or minimum time between coats shall be that time recommended by the lining material manufacturer. To prevent delamination between coats, no material shall be used for lining which is not indefinitely recoatable with itself without roughening of the surface.

F. Touch-Up & Repair

Protecto Joint Compound shall be used for touch-up or repair in accordance with manufacturer's recommendations.

IV. Inspection and certification**A. Inspection**

1. All ductile iron pipe and fitting linings shall be checked for thickness using a magnetic film thickness gauge. The thickness testing shall be done using the method outlined in SSPC-PA-2 Film Thickness Rating.
2. The interior lining of all pipe barrels and fittings shall be tested for pinholes with a nondestructive 2,500 volt test. Any defects found shall be repaired prior to shipment.
3. Each pipe joint and fitting shall be marked with the date of application of the lining system along with its numerical sequence of application on that date and records maintained by the applicator of his work.

B. Certification

The pipe or fitting manufacturer must supply a certificate attesting to the fact that the applicator met the requirements of this specification, and that the material used was as specified.

V. Handling

Protecto 401 lined pipe and fittings must be handled only from the outside of the pipe and fittings. No forks, chains, straps, hooks, etc. shall be placed inside the pipe and fittings for lifting, positioning, or laying.



Plastic Trends
supplies the
only fittings with
Triple Certification
listing



SDR 35 PVC STI™ Gasketed Sewer Fittings Injection Molded in Sizes 4" - 12"

(Fabricated sizes 15" - 36" are available)

Features

- 4" - 6" reducing branches on 8", 10" and 12" fittings have a minimum wall thickness of SDR 18.
- Extended Pre-Alignment Entrance.
- PVC One-Piece Injection Molded.
- High Performance Gasket.
- Generously Blended Branch Intersections.
- Square Pipe Stop.
- Specially Formed Raceway.
- Heavy Duty Support at Branch Intersections.
- Rounded Edges to Minimize Stress Points.

Applications

STI™ Gasketed Sewer fittings are intended for non-pressure drainage of sewage and surface water.

The Next Generation

STI™ fittings are the next generation of strength and quality in gasketed sewer fittings. They combine the latest in research and development, optimizing the best of today's Science, Technology and Innovation.

Triple Certification Listing

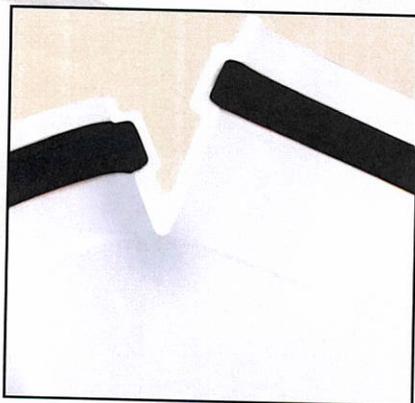
STI™ fittings are the only fittings in the industry with triple certification listing. They are third party tested and listed by NSF, UPC and CSA to meet specifications defined in ASTM D 3034, ASTM F 1336 and CSA B182.2, where applicable.

New Features

A one-piece integral bell and an extended pre-alignment entrance aids in proper alignment of pipe and fittings. In addition to scientifically formulated resins, square pipe stops resist pipe push-through while extra heavy support is provided under the pipe stop at branch intersections for added strength.

Setting The Standard

As the only manufacturer to offer a complete new line of innovative gasketed tooling, Plastic Trends sets the standard for PVC fittings produced in the industry. STI™ gasketed sewer fittings represent the latest evolution in PTI's continuous effort to offer the most technologically advanced fittings available. If you specify, distribute or install gasketed sewer fittings, demand the most advanced fittings available, STI™.



Our branch intersections are reinforced against stress and breakage to a degree never before available in a PVC sewer fitting. This means the weakest point of competitors' fittings is just another strong point in Plastic Trends' fittings.

**SDR 35
PVC STI™ Gasketed
Sewer Fittings**
Injection Molded in Sizes 4" - 12"
Fabricated in Sizes 15" - 36"

Configurations Available

Series **G**

Short Form Specifications

4" through 12" injection molded gasketed SDR 35 sewer fittings shall be manufactured in accordance with ASTM D 3034, ASTM F1336, and CSA B182.2. They shall be injection molded from virgin PVC compound having a cell classification of 12454 or 13343 in accordance with, and certified by the National Sanitation Foundation (NSF), to meet ASTM D 1784. Gaskets shall be manufactured in accordance with ASTM F 477 or ASTM F 913. Gaskets shall be firmly seated in fitting in order to ensure proper installation and to prevent dislocation or misalignment during system assembly. Gasket joints must comply with ASTM D 3212 Internal Pressure Test (exfiltration) and Vacuum Test (infiltration) at 5 degrees of gasket joint deflection.

Where available, reducing branches on injection molded 8", 10", and 12" tees, wyes, and tee-wyes shall be minimum DR18 wall thickness in the reducing branch body and reducing branch hub below the gasket race.

Gasketed SDR 35 sewer fittings shall be certified by the National Sanitation Foundation (NSF) and, in applicable configurations, by the International Association Of Plumbing And Municipal Officials (IAPMO) to meet ASTM D 3034, and by the Canadian Standards Association (CSA) to meet CSA B182.2.



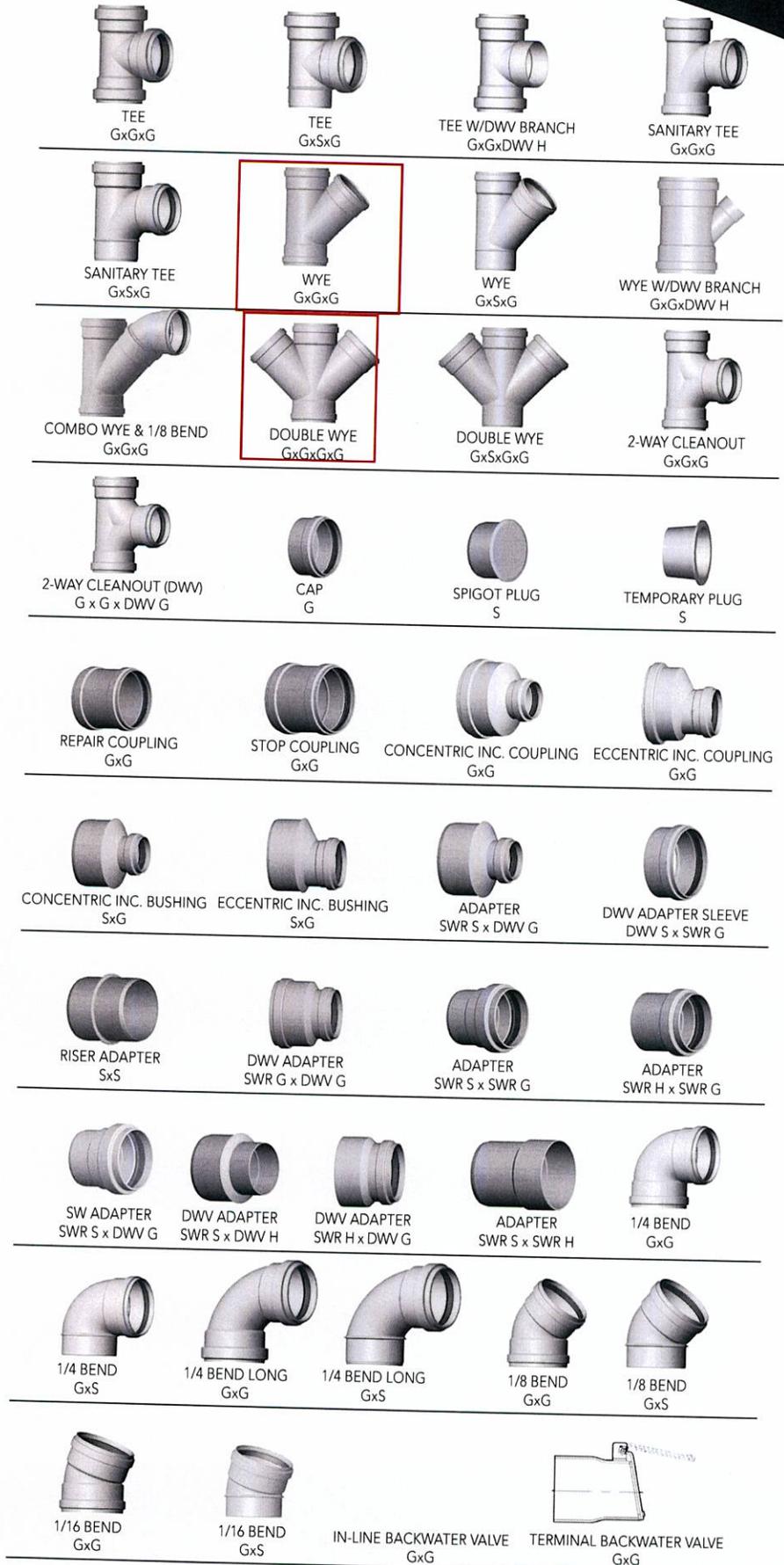
Triple Certified Listing



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Royal Group Technologies



For additional configurations, list prices and dimensional drawings visit www.plasticrends.com