

**Lee County Board Of County Commissioners
Agenda Item Summary**

Blue Sheet No. 20021100

1. REQUESTED MOTION:

ACTION REQUESTED: Approve the award of **Formal Request for Quotation No.: Q-0200081 Water, Sewer, & Irrigation Materials, Annual Purchase** for the purchase of underground parts and related items on an as needed basis for Lee County Utilities to the lowest, responsive, responsible vendor, Ferguson Waterworks for the section prices listed on the attached Lee County Tabulation Sheet. The initial term of award is for five years and authority is requested to renew this quote for one additional five-year period, upon mutual agreement of both parties. Price escalation/de-escalation clause allows for price increases with documentation after 365 days and each 30-day period thereafter; across the board decreases are subject to implementation at any time. Funding will come from the individual department or division's budget whom will be responsible for monitoring their individual expenditures.

WHY ACTION IS NECESSARY: Pursuant to the Lee County Payment and Procedures Manual, expenditures for these products necessitates the use of a formal written quotation as outlined within Section 9.

WHAT ACTION ACCOMPLISHES: Establishes competitive prices for the purchase of these products to be utilized on an as needed, when needed basis for Lee County Utilities.

2. DEPARTMENTAL CATEGORY: 10

COMMISSION DISTRICT #

C10A

3. MEETING DATE:

10-08-2002

4. AGENDA:

- CONSENT**
- ADMINISTRATIVE APPEALS**
- PUBLIC WALK ON**
- TIME REQUIRED:**

5. REQUIREMENT/PURPOSE:
(Specify)

- STATUTE**
- ORDINANCE**
- ADMIN. CODE** *AC-4-1*
- OTHER**

6. REQUESTOR OF INFORMATION:

- COMMISSIONER**
- DEPARTMENT**
- DIVISION** *Utilities*

BY: Rick Diaz, Director

[Signature] FOR RICK DIAZ

7. BACKGROUND:

The Division of Purchasing received sealed bids on August 13, 2002. On that date fourteen responses were received, of which ten were "No Bids". The quotes have been thoroughly reviewed and a recommendation is being made to award to Ferguson Waterworks who met the specification requirements, based on the pricing listed on the attached Lee County Tabulation Sheet and bid response. The initial term of award is for five years and authority is requested to renew this quote for one additional five-year period, upon mutual agreement of both parties. Funding will come from the individual department or division's budget whom will be responsible for monitoring their individual expenditures. On August 27, 2002, vendors that quoted were notified of Lee County's intent to award the quote to Ferguson Waterworks based on lowest, responsive, responsible bid. On August 28, 2002, a "Notice of Intent to Protest" was received and on September 9, 2002, a "Formal Protest" package was received from Corcel Corp.

BACKGROUND CONTINUED ON PAGE TWO

8. MANAGEMENT RECOMMENDATIONS:

9. RECOMMENDED APPROVAL:

A Department Director	B Purchasing or Contracts	C Human Resources	D Other	E County Attorney	F Budget Services	G County Manager
<i>[Signature]</i> 9-26-02	<i>[Signature]</i> 9-26-02	N/A		<i>[Signature]</i> 9/26/02	OA <i>[Signature]</i> 9/26/02 OM <i>[Signature]</i> 9/26/02 Risk <i>[Signature]</i> 9/26/02 GC <i>[Signature]</i> 9/26/02	<i>[Signature]</i> 9-26-02

10. COMMISSION ACTION:

- APPROVED**
- DENIED**
- DEFERRED**
- OTHER**

Rec. by *Cathy*
Date: *9/26/02*
Time: *3:00 pm*
Forwarded To: _____

RECEIVED BY COUNTY ADMIN. *DD*
9/26 3:11
FORWARDED TO: *OS*
9/26/02

BACKGROUND CONTINUED FROM PAGE ONE

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On September 25, 2002 an informal protest hearing was held by the Dispute Committee to hear the protest from Corcel Corp. and then render a decision. The Dispute Committee members were: Janet Sheehan, Purchasing; Emma Wolf, Budget Services, and Richard Beck, Facilities Management. As a result of the protest hearing, the Dispute Committee voted unanimously (3-0) to deny the protest filed by Corcel Corp. and uphold the staff recommendation to award this quotation and forward the project to the Board for their decision.

On September 26, 2002, Protestor (Corcel Corp.) withdrew bid protest and has been advised that they can speak during the public comment or write a letter to the Board members regarding the award of this project.

ATTACHMENTS:

- (1) Tabulation Sheet
- (2) Specifications
- (3) Addendum to specifications
- (4) Vendors Proposals
 - a. Ferguson Waterworks
 - b. Corcel Corp.
- (5) Department Recommendation
- (6) Notice of Intent to File Protest, from Corcel Corp. dated 8.28.02
- (7) Formal Protest package submitted from Corcel Corp., dated 9.9.02
- (8) A Summary of the Bid Protest Timeline
- (9) Memorandum regarding legal issues by the Asst. Co. Attorney
- (10) Withdrawal of Bid protest dated 9.26.02

FORMAL QUOTATION #Q-020081
OPENING DATE: August 13, 2002
BUYER: Cheri Alexander

LEE COUNTY, FLORIDA TABULATION SHEET

FOR

WATER, SEWER & IRRIGATION MATERIALS, ANNUAL FOR UTILITIES

VENDORS

FERGUSON HUGHES PENN CORCEL
 WATERWORKS SUPPLY, INC. TROY MFG. CORP.

ACKNOWLEDGED ADDENDUM #1 YES ATTACHMENT B IN LIEU OF B-1 YES ATTACHMENT B IN LIEU OF B-1

COMMODITY CODE 89000 (WATER)

1. Galvanized Fittings - Grand Total	\$473.23	NO BID	NO BID
2. Brass Fittings - Grand Total	\$689.72	NO BID	NO BID
3. Copper Tubing - Grand Total	\$6.39	NO BID	NO BID
4. Poly Tubing - Grand Total	\$16.61	NO BID	NO BID
5. Fittings - Grand Total	\$1,239.36	NO BID	NO BID
6. Mechanical Fittings - Grand Total	\$17,364.93	NO BID	NO BID
7. Flange Fittings - Grand Total	\$3,320.38	NO BID	NO BID
8. Gate Valves - Grand Total	\$8,926.00	NO BID	\$6,493.30
9. Meter Boxes - Grand Total	\$216.84	NO BID	NO BID
10. Hydrants and Assemblies - Grand Total	\$3,245.00	\$693.37	\$5,733.30
11. Meter Assembly Parts - Grand Total	\$3,719.01	NO BID	NO BID

SECTION 11 - 11 TOTAL

COMMODITY CODE 89000 (SEWER)

12. Plug Valves - Grand Total	\$15,580.96	NO BID	NO BID
13. Transition Couplings - Grand Total	\$143.27	NO BID	NO BID
14. Sewer Fittings - Grand Total	\$1,005.66	NO BID	\$1,310.20
15. Epoxy Lined Flange Fittings - Grand Total	\$1,629.13	NO BID	NO BID
16. Epoxy Lined MJ Fittings - Grand Total	\$4,774.97	NO BID	NO BID

SECTION 12 - 16 TOTAL

COMMODITY CODE 89000 (PIPE)

17. Schedule 40 BE Pipe - Grand Total	\$15.34	NO BID	NO BID
18. Schedule 80 BE Pipe - Grand Total	\$44.63	NO BID	NO BID
19. Polyvinyl Chloride Pipe - Grand Total	\$520.13	NO BID	NO BID

FORMAL QUOTATION #Q-020081 **LEE COUNTY, FLORIDA TABULATION SHEET**
OPENING DATE: August 13, 2002 **FOR**
BUYER: Cheri Alexander **WATER, SEWER & IRRIGATION MATERIALS, ANNUAL FOR UTILITIES**

VENDORS
 FERGUSON HUGHES PENN CORCEL
 WATERWORKS SUPPLY, INC. TROY MFG. CORP.

20. HDPE Sewer Pipe & Fittings - Grand Total	\$6,142.61	NO BID	NO BID	NO BID
21. Gravity Sewer Pipe - Grand Total	\$76.47	NO BID	NO BID	NO BID
22. Ductile Iron Pipe - Grand Total	\$185.51	NO BID	NO BID	NO BID
23. Miscellaneous - Grand Total	\$4,285.02	NO BID	NO BID	NO BID
24. MJ ACC Sets - Grand Total	\$469.65	NO BID	NO BID	NO BID
25. MJ Glands - Grand Total	\$398.43	NO BID	NO BID	NO BID
26. MJ Gaskets - Grand Total	\$93.29	NO BID	NO BID	NO BID
27. Joint Restraints - Grand Total	\$3,800.73	NO BID	NO BID	NO BID

SECTION 17 - 27 TOTAL

Delivery - In-Stock working days 1-3 DAYS BLANK BLANK
 Delivery - Non-Stock working days 7-10 DAYS 45 DAYS BLANK

Will your firm offer miscellaneous store items, not listed herein at a percentage off? NO YES BLANK
 % discount N/A .40 VARIOUS

Do you carry the most common parts and related items in stock? YES YES BLANK

Submittals YES

Local Vendor Preference YES NO NO

Modifications NONE YES NONE

Quote Signed YES YES YES

Meets Specifications YES NO YES NO

NO BIDS

American Flow Control, Biocube, Calgon Carbon, Lucas Technologies, USA Bluebook, Equitas, Control Centers, Hitachi, Foxcroft Equipment & Service, U.S. Filter Distribution

POSTING TIME/DATE
 FROM: / /
 UNTIL: / /
 BY:



LEE COUNTY
SOUTHWEST FLORIDA

PROJECT NO.: Q-020081

OPEN DATE: AUGUST 13, 2002

AND TIME: 2:30 P.M.

PRE-BID DATE: AUGUST 1, 2002

AND TIME: 3:00 P.M.

LOCATION: PURCHASING

REQUEST FOR QUOTATIONS

TITLE:

WATER, SEWER & IRRIGATION MATERIALS,
ANNUAL FOR UTILITIES

REQUESTER: LEE COUNTY BOARD OF COUNTY COMMISSIONERS
DIVISION OF PURCHASING
3434 HANCOCK BRIDGE PKWY, 3RD FLOOR
P.O. BOX 398
FORT MYERS, FL 33902-0398

BUYER: CHERI ALEXANDER, C.P.M., CPPB
PURCHASING AGENT
PHONE NO.: (941) 689-7385

GENERAL CONDITIONS

Sealed Quotations will be received by the DIVISION OF PURCHASING, until 2:30pm on the date specified on the cover sheet of this "Request for Quotations", and opened immediately thereafter by the Purchasing Director or designee.

Any question regarding this solicitation should be directed to the Buyer listed on the cover page of this solicitation, or by calling the Division of Purchasing at (239) 689-7385.

1. SUBMISSION OF QUOTE:

- a. Quotations shall be sealed in an envelope, and the outside of the envelope should be marked with the following information:
 1. Marked with the words "Sealed Quote"
 2. Name of the firm submitting the quotation
 3. Title of the quotation
 4. Quotation number
- b. The Quotation shall be submitted in triplicate as follows:
 1. The original consisting of the Lee County quotes forms completed and signed.
 2. A copy of the original quote forms for the Purchasing Director.
 3. A second copy of the original quote forms for use by the requesting department.
- c. The following should be submitted along with the quotation in a separate envelope. This envelope should be marked as described above, but instead of marking the envelope as "Sealed Quote", please indicate the contents; i.e., literature, drawings, submittals, etc. This information should be submitted in duplicate.
 1. Any information (either required or in addition to that asked for by the specifications) necessary to analyze your quotation; i.e., required submittals, literature, technical data, financial statements.
 2. Warranties and guarantees against defective materials and workmanship.
- d. **ALTERNATE QUOTE:** If the vendor elects to submit more than one quote, then the quotes should be submitted in separate envelopes and marked as indicated above. The second, or alternate quote should be marked as "Alternate".
- e. **QUOTES RECEIVED LATE:** It is the quoter's responsibility to ensure that his quote is received by the Division of Purchasing Services prior to the opening date and time specified. Any quote received after the opening date and time will be promptly returned to the quoter unopened. Lee County will not be responsible for quotes received late because of delays by a third party delivery service; i.e., U.S. Mail, UPS, Federal Express, etc.
- f. **QUOTE CALCULATION ERRORS:** In the event there is a discrepancy between the total quoted amount or the extended amounts and the unit prices quoted, the unit prices will prevail and the corrected sum will be considered the quoted price.
- g. **PAST PERFORMANCE:** All vendors will be evaluated on their past performance and prior dealings with Lee County (i.e., failure to meet specifications, poor workmanship, late delivery, etc.).
- h. **WITHDRAWAL OF QUOTE:** No quote may be withdrawn for a period of 90 days after the scheduled time for receiving quotes. A quote may be withdrawn prior to the quote-opening date and time. Such a request to withdraw should be made in writing to the Purchasing Director, who will approve or disapprove of the request.

- i. **COUNTY RESERVES THE RIGHT:** The County reserves the right to waive minor informalities in any quote; to reject any or all quotes with or without cause; and/or to accept the quote that in its judgment will be in the best interest of the County of Lee.
- j. **EXECUTION OF QUOTE:** All quotes shall contain the signature of an authorized representative of the quoter in the space provided on the quote proposal form. All quotes shall be typed or printed in ink. The bidder may not use erasable ink. All corrections made to the quote shall be initialed.

2. **ACCEPTANCE**

The materials and/or services delivered under the quote **shall** remain the property of the seller until a physical inspection and actual usage of these materials and/or services is accepted to the County and is to be in compliance with the terms herein, fully in accord with the specifications and of the highest quality. In the event the materials and/or services supplied to the County are found to be defective or do not conform to specifications, the County reserves the right to cancel the order upon written notice to the seller and return such product to the seller at the seller's expense.

3. **SUBSTITUTIONS**

Whenever in these specifications a brand name or make is mentioned, it is the intention of the County only to establish a grade or quality of materials and not to rule out other brands or makes of equality. However, if a product other than that specified is quote, it is the vendor's responsibility to name such product with his quote and to prove to the County that said product is equal to the product specified. Lee County **shall** be the sole judge as to whether a product being offered by the quoter is actually equivalent to the one being specified by the detailed specifications. (Note: This paragraph does not apply when it is determined that the technical requirements of this solicitation require only a specific product as stated in the detailed specifications.

4. **RULES, REGULATIONS, LAWS, ORDINANCES & LICENSES**

The awarded vendor shall observe and obey all laws, ordinances, rules, and regulations, of the federal, state, and local government, which may be applicable to the supply of this product or service.

- a. Occupational License – Vendor shall submit within 10 calendar days after request.
- b. Specialty License(s) – Vendor shall possess at the time of the opening of the quote all necessary permits and/or license required for the sale of this product and/or service and upon the request of the County provide copies of licenses and/or permits within 10 calendar days after request.

5. **RECYCLED PRODUCTS**

It is the Lee County Board of County Commissioners' stated policy objective to "Ensure all departments are aware of the availability of recycled products..." (Administrative Code #AC-10-4). In an effort to provide the utmost opportunity for the use of recycled products by Lee County, vendors should list on their letterhead, all necessary information regarding any applicable recycled products they have available. Recycled products should meet all other specifications listed and have a minimum of 50%-recycled content. Whenever fiscally feasible, available recycled products will be purchased.

6. **WARRANTY/GUARANTY** (unless otherwise specified)

All materials and/or services furnished under this quote shall be warranted by the vendor to be free from defects and fit for the intended use.

7. **PRE-BID CONFERENCE**

A pre-bid conference will be held at the location, date, and time specified on the cover of this solicitation. Pre-bid conferences are generally non-mandatory, but it is highly recommended that everyone planning to submit a quote attend.

In the event a pre-bid conference is classified as mandatory, it will be so specified on the cover of this solicitation and it will be the responsibility of the quoter to ensure that they are represented at the pre-bid. Only those quoters who attend the pre-bid conference will be allowed to quote on this project.

8. **BIDDERS LIST MAINTENANCE**

A bidder should respond to "Request for Quotations" in order to be kept on the Bidder's List. Failure to respond to three different "request for quotations" may result in the vendor being removed from the Bidder's List. A bidder may do one of the following, in order to respond properly to the request:

- a. Submission of a quotation prior to the quote receipt deadline.
- b. Submission of a "no bid" notice prior to the quote receipt deadline.

9. **LEE COUNTY PAYMENT PROCEDURES**

All vendors are requested to mail one original invoice and one invoice copy to:

Lee County Finance Department
Post Office Box 2238
Fort Myers, FL 33902-2238

All invoices will be paid as directed by the Lee County payment procedure unless otherwise differently stated in the detailed specification portion of this quote.

Lee county will not be liable for request of payment deriving from aid, assistance, or help by any individual, vendor, quoter, or bidder for the preparation of these specifications.

Lee County is generally a tax-exempt entity subject to the provisions of the 1987 legislation regarding sales tax on services. Lee County will pay those taxes for which it is obligated, or it will provide a Certificate of Exemption furnished by the Department of Revenue. All contractors or quoters should include in their quote all sales or use taxes, which they will pay when making purchases of material or subcontractor's services.

10. **LEE COUNTY BID PROTEST PROCEDURE**

Any contractor/vendor/firm that has submitted a formal bid/quote/proposal to Lee County, and who is adversely affected by an intended decision with respect to the award of the formal bid/quote/proposal, shall file with the County's Purchasing Director or Public Works Director a written "Notice of Intent to File a Protest" not later than seventy-two (72) hours (excluding Saturdays, Sundays and Legal Holidays) after receipt of a "Notice of Intended Decision" from the County with respect to the proposed award of the formal bid/quote/proposal.

The "Notice of Intent to File a Protest" is one of two documents necessary to perfect Protest. The second document is the "Formal Written Protest", both documents are described below.

The "Notice of Intent to File a Protest" document shall state all grounds claimed for the Protest, and clearly indicate it as the "Notice of Intent to File a Protest". Failure to clearly indicate the Intent to file the Protest shall constitute a waiver of all rights to seek any further remedies provided for under this Protest Procedure.

The "Notice of Intent to File a Protest" shall be received ("stamped in") by the Purchasing Director or Public Works Director not later than Four o'clock (4:00) PM on the third working day following the day of receipt of the County's Notice of Intended Decision.

The affected party shall then file its Formal Written Protest within ten (10) calendar days after the time for the filing of the Notice of Intent to File a Protest has expired. Except as provided for in the paragraph below, upon filing of the Formal Written Protest, the contractor/vendor/firm shall post a bond, payable to the Lee County Board of County Commissioners in an amount equal to five percent (5%) of the total bid/quote/proposal, or Ten Thousand Dollars (\$10,000.00), whichever is

less. Said bond shall be designated and held for payment of any costs that may be levied against the protesting contractor/vendor/firm by the Board of County Commissioners, as the result of a frivolous Protest.

A clean, Irrevocable Letter of Credit or other form of approved security, payable to the County, may be accepted. Failure to submit a bond, letter of credit, or other approved security simultaneously with the Formal Written Protest shall invalidate the protest, at which time the County may continue its procurement process as if the original "Notice of Intent to File a Protest" had never been filed.

Any contractor/vendor/firm submitting the County's standard bond form (CSD: 514), along with the bid/quote/proposal, shall not be required to submit an additional bond with the filing of the Formal Written Protest.

The Formal Written Protest shall contain the following:

- County bid/quote/proposal identification number and title.
- Name and address of the affected party, and the title or position of the person submitting the Protest.
- A statement of disputed issues of material fact. If there are no disputed material facts, the Formal Protest must so indicate.
- A concise statement of the facts alleged, and of the rules, regulations, statues, or constitutional provisions, which entitle the affected party to relief.
- All information, documents, other materials, calculations, and any statutory or case law authority in support of the grounds for the Protest.
- A statement indicating the relief sought by the affected (protesting) party.
- Any other relevant information that the affected party deems to be material to Protest.

Upon receipt of a timely filed "Notice of Intent to File a Protest", the Purchasing Director or Public Works Director (as appropriate) may abate the award of the formal bid/quote/proposal as appropriate, until the Protest is heard pursuant to the informal hearing process as further outlined below, except and unless the County Manager shall find and set forth in writing, particular facts and circumstances that would require an immediate award of the formal bid/quote/proposal for the purpose of avoiding a danger to the public health, safety, or welfare. Upon such written finding by the County Manager, the County Manager may authorize an expedited Protest hearing procedure. The expedited Protest hearing shall be held within ninety-six (96) hours of the action giving rise to the contractor/vendor/firm's Protest, or as soon as may be practicable for all parties. The "Notice of Intent to File a Protest" shall serve as the grounds for the affected party's presentation and the requirements for the submittal of a formal, written Protest under these procedures, to include the requirement for a bond, shall not apply.

The Dispute Committee shall conduct an informal hearing with the protesting contractor/vendor/firm to attempt to resolve the Protest, within seven working days (excluding Saturdays, Sundays and legal holidays) from receipt of the Formal Written Protest. The Chairman of the Dispute Committee shall ensure that all affected parties may make presentations and rebuttals, subject to reasonable time limitations, as appropriate. The purpose of the informal hearing by the Dispute Committee, the protestor and other affected parties is to provide and opportunity: (1) to review the basis of the Protest; (2) to evaluate the facts and merits of the Protest; and (3) to make a determination whether to accept or reject the Protest.

Once a determination is made by the Dispute Committee with respect to the merits of the Protest, the Dispute Committee shall forward to the Board of County Commissioners its recommendations, which shall include relevant background information related to the procurement.

Upon receiving the recommendation from the Dispute Committee, the Board of County Commissioners shall conduct a hearing on the matter at a regularly scheduled meeting. Following presentations by the affected parties, the Board shall render its decision on the merits of the Protest.

If the Board's decision upholds the recommendation by the Dispute Committee regarding the award, and further finds that the Protest was either frivolous and/or lacked merit, the Board, at its discretion, may assess costs, charges, or damages associated with any delay of the award, or any costs incurred with regard to the protest. These costs, charges or damages may be deducted from the security (bond or letter of credit) provided by the contractor/vendor/firm. Any costs, charges or damages assessed by the Board in excess of the security shall be paid by the protesting contractor/vendor/firm within thirty (30) calendar days of the Board's final determination concerning the award.

All formal bid/quote/proposal solicitations shall set forth the following statement:

“FAILURE TO FOLLOW THE BID PROTEST PROCEDURE REQUIREMENTS WITHIN THE TIMEFRAMES AS PRESCRIBED HEREIN AND ESTABLISHED BY LEE COUNTY BOARD OF COUNTY COMMISSIONERS, FLORIDA, SHALL CONSTITUTE A WAIVER OF YOUR PROTEST AND ANY RESULTING CLAIMS.”

11. **PUBLIC ENTITY CRIME**

Any person or affiliate as defined by statute who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid or a contract to provide any goods or services to the County; may not submit a bid on a contract with the County for the construction or repair of a public building or a public work; may not submit bids or leases of real property to the County; may not be awarded or perform works as a contractor, supplier, subcontractor, or consultant under a contract with the County, and may not transact business with the County in excess of \$25,000.00 for a period of 36 months from the date of being placed on the convicted vendor list.

12. **QUALIFICATION OF QUOTERS** (unless otherwise noted)

Quotes will be considered only from firms normally engaged in the sale and distribution or provision of the services as specified herein. Quoters shall have adequate organization, facilities, equipment, and personnel to ensure prompt and efficient service to Lee County. The County reserves the right before recommending any award to inspect the facilities and organization; or to take any other action necessary to determine ability to perform is satisfactory, and reserves the right to reject quotes where evidence submitted or investigation and evaluation indicates an inability of the quoter to perform.

13. **MATERIAL SAFETY DATA SHEETS**

In accordance with Chapter 443 of the Florida Statutes, it is the vendor's responsibility to provide Lee County with Materials Safety Data Sheets on quoted materials, as may apply to this procurement.

14. **MISCELLANEOUS**

If a conflict exists between the General Conditions and the detailed specifications, then the detailed specifications shall prevail.

15. **WAIVER OF CLAIMS**

Once this contract expires, or final payment has been requested and made, the awarded contractor shall have no more than 30 days to present or file any claims against the County concerning this contract. After that period, the County will consider the Contractor to have waived any right to claims against the County concerning this agreement.

16. **AUTHORITY TO PIGGYBACK**

It is hereby made a precondition of any quote and a part of these specifications that the submission of any quote in response to this request constitutes a quote made under the same conditions, for the same price, and for the same effective period as this quote, to any other governmental entity.

17. **COUNTY RESERVES THE RIGHT**

a) **State Contract**

If applicable, the County reserves the right to purchase any of the items in this quote from State Contract Vendors if the prices are deemed lower on State Contract than the prices we receive in this quotation.

b) **Any Single Large Project**

The County, in its sole discretion, reserves the right to separately quote any project that is outside the scope of this quote, whether through size, complexity, or dollar value.

c) **Disadvantaged Business Enterprises**

The County, in its sole discretion, reserves the right to purchase any of the items in this quote from Disadvantage Business Enterprise vendor if the prices are determined to be in the best interest of the County, to assist the County in the fulfillment of any of the County's grant commitments to federal or state agencies.

The County further reserves the right to purchase any of the items in this quote from DBE's to fulfill the County's state policy toward DBE's as outlined in County Ordinance 88-45 and 90-04, as amended.

d) **Anti-Discrimination**

The vendor for itself, its successors in interest, and assignees, as part of the consideration there of covenant and agree that:

In the furnishing of services to the County hereunder, no person on the grounds of race, religion, color, age, sex, national origin, handicap or marital status shall be excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination.

The vendor will not discriminate against any employee or applicant for employment because of race, religion, color, age, sex, national origin, handicap or marital status. The vendor will make affirmative efforts to insure that applicants are employed and that employees are treated during employment without regard to their race, religion, color, age, sex, national origin, handicap or marital status. Such action shall include, but not be limited to, acts of employment, upgrading, demotion or transfer; recruitment advertising; layoff or termination, rates of pay or other forms of compensation and selection for training, including apprenticeship.

Vendor agrees to post in a conspicuous place, available to employees and applicants for employment, notices setting forth the provisions of this anti-discrimination clause.

Vendor will provide all information and reports required by relevant regulations and/or applicable directives. In addition, the vendor shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the County to be pertinent to ascertain compliance. The vendor shall maintain and make available relevant data showing the extent to which members of minority groups are beneficiaries under these contracts.

Where any information required of the vendor is in the exclusive possession of another who fails or refuses to furnish this information, the vendor shall so certify to the County its effort made toward obtaining said information. The vendor shall remain obligated under this paragraph until the expiration of three (3) years after the termination of this contract.

In the event of breach of any of the above anti-discrimination covenants, the County shall have the right to impose sanctions as it may determine to be appropriate, including withholding payment to the vendor or canceling, terminating, or suspending this contract, in whole or in part.

Additionally, the vendor may be declared ineligible for further County contracts by rule, regulation or order of the Board of County Commissioners of Lee County, or as otherwise provided by law.

The vendor will send to each union, or representative of workers with which the vendor has a collective bargaining agreement or other contract of understanding, a notice informing the labor union of worker's representative of the vendor's commitments under this assurance, and shall post copies of the notice in conspicuous places available to the employees and the applicants for employment.

The vendor will include the provisions of this section in every subcontract under this contract to insure its provisions will be binding upon each subcontractor. The vendor will take such actions with respect to any subcontractor, as the contracting agency may direct, as a means of enforcing such provisions, including sanctions for non-compliance.

18. **AUDITABLE RECORDS**

The awarded vendor shall maintain auditable records concerning the procurement adequate to account for all receipts and expenditures, and to document compliance with the specifications. These records shall be kept in accordance with generally accepted accounting methods, and Lee County reserves the right to determine the record-keeping method required in the event of non-conformity. These records shall be maintained for two years after completion of the project and shall be readily available to County personnel with reasonable notice, and to other persons in accordance with the Florida Public Disclosure Statutes.

19. **DRUG FREE WORKPLACE**

Whenever two or more quotes/proposals, which are equal with respect to price, quality and service, are received for the procurement of commodities or contractual services, a quote/proposal received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. In order to have a drug-free workplace program, a business shall comply with the requirements of Florida Statutes 287.087.

20. **REQUIRED SUBMITTALS**

Any submittals requested should be returned with the quote response. This information may be accepted after opening, but no later than 10 calendar days after request.

21. **TERMINATION**

Any agreement as a result of this quote may be terminated by either party giving thirty (30) calendar days advance written notice. The County reserves the right to accept or not accept a termination notice submitted by the vendor, and no such termination notice submitted by the vendor shall become effective unless and until the vendor is notified in writing by the County of its acceptance.

The Purchasing Director may immediately terminate any agreement as a result of this quote for emergency purposes, as defined by the Lee County Purchasing and Payment Procedure Manual.

Any vendor who has voluntarily withdrawn from a formal quote/proposal without the County's mutual consent during the contract period shall be barred from further County procurement for a period of 180 days. The vendor may apply to the Board of Lee County Commissioners for waiver of this debarment. Such application for waiver of debarment must be coordinated with and processed by Purchasing.

22. **CONFIDENTIALITY**

Vendors should be aware that all submittals (including financial statements) provided with a quote/proposal are subject to public disclosure and will not be afforded confidentiality.

23. **ANTI-LOBBYING CLAUSE**

All firms are hereby placed on formal notice that neither the County Commissioners nor candidates for County Commission, nor any employees from the Lee County Government, Lee County staff members, nor any members of the Qualification/Evaluation Review Committee are to be lobbied, either individually or collectively, concerning this project. Firms and their agents who intend to submit qualifications, or have submitted qualifications, for this project are hereby placed on *formal notice* that they are *not* to contact County personnel for such purposes as holding meetings of introduction, meals, or meetings relating to the selection process outside of those specifically scheduled by the County for negotiations. Any such lobbying activities may cause immediate disqualification for this project.

24. **INSURANCE (AS APPLICABLE)**

Insurance shall be provided, per the attached insurance guide. Upon request, an insurance certificate complying with the attached guide may be required prior to award.

LEE COUNTY, FLORIDA
 PROPOSAL QUOTE FORM
 FOR
 WATER, SEWER & IRRIGATION MATERIALS
 ANNUAL FOR UTILITIES

DATE SUBMITTED: _____

VENDOR NAME: _____

TO: The Board of County Commissioners
 Lee County
 Fort Myers, Florida

Having carefully examined the "General Conditions", and the "Detailed Specifications", all of which are contained herein, the Undersigned proposes to furnish the following, which meet these specifications:

The undersigned acknowledges receipt of Addenda numbers: _____

See Attachment B to record unit prices, **Note: Please record the section totals on this Price Proposal Page.**

SECTION NO.	LEE CO. COMMODITY CODE	DESCRIPTION	GRAND TOTAL
	89000	<u>WATER</u>	
1.		GALVANIZED FITTINGS	\$ _____
2.		BRASS FITTINGS	\$ _____
3.		COPPER TUBING	\$ _____
4.		POLY TUBING	\$ _____
5.		FITTINGS	\$ _____
6.		MECHANICAL FITTINGS	\$ _____
7.		FLANGE FITTINGS	\$ _____
8.		GATE VALVES	\$ _____
9.		METER BOXES	\$ _____
10.		HYDRANTS AND ASSEMBLIES	\$ _____
11.		METER ASSEMBLY PARTS	\$ _____

SECTION NO.	LEE CO. COMMODITY CODE	DESCRIPTION	GRAND TOTAL
	89000	<u>SEWER</u>	
12.		PLUG VALVES	\$ _____
13.		TRANSITION COUPLINGS	\$ _____
14.		SEWER FITTINGS	\$ _____
15.		EPOXY LINED FLANGE FITTINGS	\$ _____
16.		EPOXY LINED M J FITTINGS	\$ _____
	89000	<u>PIPE</u>	
17.		SCHEDULE 40 BE PIPE	\$ _____
18.		SCHEDULE 80 BE PIPE	\$ _____
19.		POLYVINYL CHLORIDE PIPE	\$ _____
20.		HDPE SEWER PIPE & FITTINGS	\$ _____
21.		GRAVITY SEWER PIPE	\$ _____
22.		DUCTILE IRON PIPE	\$ _____
23.		MISCELLANEOUS	\$ _____
24.		MJ ACC SETS	\$ _____
25.		MJ GLANDS	\$ _____
26.		MJ GASKETS	\$ _____
27.		JOINT RESTRAINTS	\$ _____

DELIVERY: STOCK: _____ WORKING DAYS NON-STOCK: _____ WORKING DAYS

Will your firm offer miscellaneous store items, not listed herein at a percentage off? YES _____ NO _____

State the discount from list price for items not listed herein that Lee County BOCC may purchase, as needed: _____%

If you answered yes, submit your firm's price list with the annotated discounts in triplicate with your bid response.

Do you carry the most common parts and related items in stock? YES _____ NO _____

NOTE: SUBMITTALS REQUIRED; SEE PAGE 13

Is your firm interested in being considered for the Local Vendor Preference? Yes _____ No _____

If yes, then read the paragraph entitled "Local Vendor Preference" included in these specifications. Also complete the Local Vendor Preference Questionnaire and return with your quotation.

Quoters should carefully read all the terms and conditions of the specifications. Any representation of deviation or modification to the quote may be grounds to reject the quote.

Are there any modifications to the quote or specifications: Yes _____ No _____

Failure to clearly identify any modifications in the space below or on a separate page may be grounds for the quoter being declared nonresponsive or to have the award of the quote rescinded by the County.

MODIFICATIONS:

Quoter shall submit his/her quote on the County's Proposal Quote Form, including the firm name and authorized signature. Any blank spaces on the Proposal Quote Form, qualifying notes or exceptions, counter offers, lack of required submittals, or signatures, on County's Form may result in the Quoter/Quote being declared non-responsive by the County.

ANTI-COLLUSION STATEMENT

THE BELOW SIGNED QUOTER HAS NOT DIVULGED TO, DISCUSSED OR COMPARED HIS QUOTE WITH OTHER QUOTERS AND HAS NOT COLLUDED WITH ANY OTHER QUOTER OR PARTIES TO A QUOTE WHATSOEVER. NOTE: NO PREMIUMS, REBATES OR GRATUITIES TO ANY EMPLOYEE OR AGENT ARE PERMITTED EITHER WITH, PRIOR TO, OR AFTER ANY DELIVERY OF MATERIALS. ANY SUCH VIOLATION WILL RESULT IN THE CANCELLATION AND/OR RETURN OF MATERIAL (AS APPLICABLE) AND THE REMOVAL FROM THE MASTER BIDDERS LIST.

FIRM NAME _____

BY (Printed): _____

BY (Signature): _____

TITLE: _____

FEDERAL ID # OR S.S.# _____

ADDRESS: _____

PHONE NO.: _____

FAX NO.: _____

CELLULAR PHONE/PAGER NO.: _____

LEE COUNTY OCCUPATIONAL LICENSE NUMBER: _____

E-MAIL ADDRESS: _____

REVISED: 7/28/00

**LEE COUNTY, FLORIDA
DETAILED SPECIFICATIONS
FOR
WATER, SEWER & IRRIGATION MATERIALS
ANNUAL FOR UTILITIES**

SCOPE

The intent of this request for quotations is to establish an annual contract with vendors for the purchase of underground parts and related items on an as needed basis for the Lee County Board of County Commissioners, Utilities Division.

The successful vendor(s) shall stock parts and related items for both water and sewer usage. This quote may be awarded to a primary and secondary vendor depending on availability of in-stock items.

ESTIMATED EXPENDITURES

Last year, Lee County spent approximately \$1,000,000.00 on an annual basis. This amount is given for quoter's information only; no minimum amount is guaranteed or implied.

TERM OF QUOTE

This quote shall be in effect for 5 years, or until new quotes are taken and awarded. This quote (or any portion thereof) has the option of being renewed for one additional five-year period, upon mutual agreement of both parties, under the same terms and conditions.

BASIS OF AWARD

The basis of award for this quote will be to the lowest two (2) responsive, responsible quoters meeting specifications on a section by section basis for items numbered 1-27 as listed on the Proposal Quote Form, pages 10 and 11. While the award may be made to multiple vendors by manufacturer to assure availability, the lowest quoter by section will be given the first opportunity to perform under this formal quotation.

Lee County reserves the right, at the Purchasing Director's discretion, not to award certain items listed.

Lee County reserves the right to reject unbalanced quotes (a quote where a normally low cost item is priced well out of the normal range).

Note: Please record the section totals on the Price Proposal Page.

REQUIRED SUBMITTALS

The following information shall be submitted in triplicate with the quote:

1. Attachment B – list of unit prices
2. Manufacturer List Price Sheets and catalogs for product lines.

Quotes shall be submitted on the basis of a discount from a manufacturer's Published Price List(s). Such Published Price List(s) must be common to, and accepted by, the industry in general. The lists must be printed, properly identified, and dated as to issuance and effectiveness. As a requirement of the quote, the awarded vendor shall, at no cost to Lee County, provide the necessary product catalogs to identify purchased goods. Price guides must also be provided to verify the cost of such goods and for prepayment audit.

Vendors may be asked to provide additional information. If requested, vendors should furnish the information within 10 calendar days of a request.

REGULAR DEALER

Quotes will be considered only from firms that qualify as a “regular dealer”.

A “regular dealer” means a firm that owns, operates, or maintains a store, warehouse, or other establishment in which the materials or supplies required for the performance of the contract are bought, kept in stock, and regularly sold to the public in the usual course of business. To be a regular dealer, the firm must engage in, as its principal business and in its own name, the purchase and sale of the products in question.

DELIVERY

All items will be picked up on an as-needed basis by individual departments, or delivered F.O.B. Destination as directed at no additional cost to Lee County. Prices shall include all costs of packaging, loading, transporting, delivery and unloading, inclusive of inside delivery if requested. County employees picking up items must provide the vendor with a Purchase Order Number. No sale shall be transacted without a purchase order number being given to the vendor.

There shall be no minimum dollar amount required per purchase.

If your firm is out of the local calling area, it is required that you have a toll free number or that collect calls be accepted from Lee County for the placement of orders.

It is desired to have delivery of stock items within one (1) working day, and non-stock items within five (5) working days from placement of an order. In the event of an emergency situation, same-day availability will be required. Lee County reserves the right to purchase materials on an emergency basis from other sources. In the space provided on the Proposal Quote Form, specify your firm's delivery time frame for stock and non-stock items. Should the awarded vendor not be able to deliver the items in the time specified on the Proposal Quote Form, Lee County reserves the right to purchase the items elsewhere. **The quoter further understands and agrees that failure to consistently deliver items within the time specified on the Proposal Quote Form may be cause to disqualify a low quoter at any time.**

DESIGNATED CONTACT

The awarded vendor shall appoint a person or persons to act as a primary contact for all County departments. This person or back up shall be readily available during normal work hours by phone or in person, and shall be knowledgeable of the terms and procedures involved.

LOCAL BIDDER'S PREFERENCE

Note: In order for your firm to be considered for the local vendor preference, you must complete and return the attached “Local Vendor Preference Questionnaire” with your quotation.

The Lee County Local Bidder's Preference Ordinance No. 00-10 is being included as part of the award process for this project. As such, Lee County at its sole discretion, may choose to award a preference to any qualified “Local Contractor/Vendor” in an amount not to exceed 3 % of the total amount quoted by that firm.

“Local Contractor / Vendor” shall mean: a) any person, firm, partnership, company or corporation whose principal place of business in the sole opinion of the County, is located within the boundaries of Lee County, Florida; or b) any person, firm, partnership, company or corporation that has provided goods or services to Lee County on a regular basis for the preceding consecutive five (5) years, and that has the personnel, equipment and materials located within the boundaries of Lee County sufficient to constitute a present ability to perform the service or provide the goods.

The County reserves the exclusive right to compare, contrast and otherwise evaluate the qualifications, character, responsibility and fitness of all persons, firms, partnerships, companies or corporations submitting formal bids or formal quotes in any procurement for goods or services when making an award in the best interests of the County.

SUMMARY REPORTS

Upon completion of each six-month period of the quote, the awarded vendor shall be responsible for furnishing a summary report to Purchasing. This report shall include the previous six months history, showing at a minimum, the following information:

- 1) Total dollars expended per item,
- 2) Total quantity of each item purchased.

PRICE ESCALATION/DE-ESCALATION

Offers are submitted with the understanding that no price increases will be authorized for 365 calendar days after the effective date of the contract. Upward price adjustments may be permitted only at the end of this period and each 30-day period thereafter and only where verified to the satisfaction of the Division of Purchasing Services as provided herein. **However, "across the board" price decreases are subject to implementation at any time and shall be immediately conveyed to the County.**

The awarded vendor(s) shall not give less than 30 days advance written notice of a price increase to the Division of Purchasing Services. Any approved price change will be effective only at the beginning of the calendar month following the end of the full 30-day notification period. The vendor shall document the amount and proposed effective date of the change in price. The price change must affect all accounts serviced by the vendor. Documentation shall be supplied with vendor's request for increase which will: (1) verify that the requested price increase is general in scope and not applicable just to the County; and (2) verify the amount or percentage of increase which is being passed on to the vendor by others not under the control of the vendor. Failure by the vendor to supply the aforementioned verification with the request for price increase will result in delay of the effective date of such increase. The Division of Purchasing Services may make such verification as deemed adequate. However, an increase, which the Division of Purchasing Services determines is excessive, regardless of any documentation supplied by the vendor, may be cause for cancellation of the contract by the Division of Purchasing Services. The Division of Purchasing Services will notify using agencies and vendor in writing of the effective date of any increase that is approved. However, the Vendor shall fill all purchase orders received prior to the effective date of the price adjustment at the old contract prices. The Vendor is further advised that price decreases that affect the cost of materials, labor, and transportation are required to be passed on to the County immediately. Failure to do so will result in action to recoup such amounts.

BACKORDERS

Backorders will generally be allowed, subject to the department's approval. Backorders must be held to a minimum. It is desired that 90% of backordered items be shipped within 5 days after receipt of the first order.

BRAND NAMES

Whenever in these specifications a brand name or make is mentioned, it is the intention of the County only to establish a grade or quality of material, and not to rule out other brands or makes of equality.

SAMPLES

Upon request, quoters are to furnish samples of commodities at no expense; unused samples may be picked up from Lee County for return to quoter at no charge to Lee County.

QUANTITY PRICE BREAKS

If your firm can offer quantity price breaks to Lee County on any items listed, specify item(s), quantity breaks and pricing on company letterhead. The discounts offered on the Proposal Quote Form will form the basis of award.

FUEL PRICE ADJUSTMENTS

There will be no fuel price adjustments or surcharges for this contract.

TOLLS

Lee County will not pay for or reimburse awarded vendors for any bridge tolls.

CONTRACT

A purchase order and specifications herein will serve as the contract.

MAJOR BREAKDOWNS/NATURAL DISASTERS

Lee County requires that the awarded vendor provide the name of a contact person and phone number which will afford Lee County access twenty-four hours per day, 365 days per year, to Pat Moore, Utilities (239.693.2992, ext. 210; cell 850.2915), in the event of major breakdowns or natural disasters.

TECHNICAL SPECIFICATIONS

The technical specifications were taken from the Lee County Utilities Operations Manual revised February 2000; as follows:

WATER:

SECTION 1. GALVANIZED FITTINGS

Domestic Only

SECTION 2. BRASS FITTINGS

Domestic Only

SECTION 3. COPPER TUBING

Copper Pipe Copper pipe for 3/4" to 1" service line installations shall be American manufactured, Type K, and conform to the requirements of ASTM designation B88. Brass compression couplings with screw-clamp fittings shall be used with copper pipe.

SECTION 4. POLYTUBING

Polytubing Polyethylene Tubing Endopure PE3408 with ultra violet inhibitors and lifetime warranty, CTS Blue 3408 Polyethylene tubing or approved equal, will be acceptable in sizes from 3/4" to 2" in diameter. Tubing for service lines shall be of a type approved by the National Sanitation Foundation for use in transmitting fluids for human consumption. The tubing shall be designed for a minimum burst pressure of 630 psi for water at 23°C, and shall be manufactured in accordance with the requirements of ASTM D 3350, D2737, AWWA C901-88 and shall be blue in color.

SECTION 5. FITTINGS

Unless otherwise specified and approved by Lee County Utilities, all 4" through 12" diameter PVC pipe shall be rated per AWWA, C900, DR18, Class 150. Water mains larger than 12" shall be constructed of Ductile Iron Pipe. (See Section 5.3, A.1.) All PVC pipe less than 4" in 2" diameter shall be Schedule 80 with a pressure rating of 200-psi solvent welded, including blow-off assemblies. PVC pipe will be acceptable for pipe diameters of 12" or less. PVC pipe 4" in diameter or larger shall have provisions for expansion and contraction provided in the joints. All joints shall be designed for push-on make-up connections. Push-on joint may be a coupling manufactured as an integral part of the pipe barrel consisting of a thickened section with an expanded bell with a groove to retain a rubber sealing ring of uniform cross section, similar and equal to John's Mannville ring-type and Ethyl Bell Ring or may be made with a separate twin gasketed coupling similar and equal to Certainteed Fluid-Type. High Density Polyethylene (HDPE)- Lee County Utilities has the option of approving the use of HDPE up to 12" in diameter for water main crossings of roadways, ditches, canals, and

environmentally sensitive lands. HDPE water mains shall have the same equivalent internal diameter and equivalent pressure class rating as the corresponding PVC pipe, unless otherwise approved by Lee County Utilities. HDPE must have at least three equally spaced horizontal blue marking stripes. For all roadway crossings a steel or DR 11 HDPE casing pipe must be provided. The Department of Transportation having jurisdiction of said road and right-of-way must grant specific approval.

SECTION 6. MECHANICAL FITTINGS

Domestic Only.

SECTION 7. FLANGE FITTINGS

Domestic Only.

SECTION 8. GATE VALVES

Domestic Only.

Valves for pipe less than 2" in diameter shall conform to the requirements of AWWA C509 (latest revision) and shall be cast iron, single wedge, non-rising stem, screwed bonnet, 125 pounds S.P., 200 pounds W.O.G. with stuffing box repackable under pressure and all parts renewable. Ends shall be as shown or indicated on the drawings.

Resilient, wedge or gate valves 2" in diameter and larger shall be cast or ductile iron body, non-rising stem, bronze mounted gate valves, mechanical joint conforming to requirements of the AWWA Standard C509 and shall be provided with a 2" square operating nut. Valves shall be resilient, wedge, or gate type and shall turn to the left (counter clockwise) to open. The wedge or gate shall be cast iron or ductile iron per ASTM A536, minimum 65,000-psi strength and, completely encapsulated with urethane rubber, permanently bonded to the wedge or gate to meet ASTM test for rubber metal bond, ASTM D429. The valve stems for non-rising stem assemblies shall be cast bronze with integral collars in full compliance with AWWA. The NRS stem stuffing box shall be the O-ring seal type with two rings located above thrust collar; the two rings shall be replaceable with valve fully open and subjected to full rated working pressure.

There shall be two low torque thrust bearings located above and below the stem collar. The stem nut shall be independent of wedge and shall be made of solid bronze. There shall be a smooth unobstructed waterway free of all pockets, cavities and depressions in the seat area. The body and bonnet shall be coated with fusion bonded epoxy both interior and exterior. The valve shall be designed and tested to be opened and closed under a differential pressure of 150 psi or greater.

SECTION 9. METER BOXES

Meters less than 1" shall be installed in a Quazite PG1118BB12 box with Quazite PG1118WAP1 cover, or CDR WB00-1118-12 box with CDR WC00-1118-2C cover. Meters 1" through 2" shall be installed in a Quazite PG1730BB12 box with Quazite PG1730WAP1 cover, or CDR WB-1730-12 box with CDR WC00-1730-2C cover. Meters larger than 2" shall be installed above ground and approved by Lee County Utilities. Refer to Section 9 for details. Meter boxes, which need to be replaced, shall be Quazite PG1015WAR,1 or CDR R-1017-2C. Should just the cover need to be replaced it shall be Quazite PG1730WAP1, or CDR WC00-1730-2C.

SECTION 10. HYDRANTS AND ASSEMBLIES

Fire hydrants shall be of the compression type with break away upper sections capable of ready replacement without loss in the event of traffic damage. Each hydrant shall have a 6" bottom inlet connection and valve opening at least 5-1/4 inches in diameter. Hydrants shall turn to the left (counter clockwise) to open. Each hydrant shall be fitted with one 4-1/2-inch pumper connection and two 2-1/2 inch hose connections, both having threads that conform to the Fire Division Standard for the area. Hose caps shall be chained to the hydrant barrel and fitted with nuts similar to the hydrant operating nuts. Each hydrant shall have a barrel of sufficient length to bring the bottom of the 6" pipe connection 3 feet below the surface of the finished ground. Each hydrant shall be made in at least two sections bolted together. All interior working parts of the hydrant shall be removable from the top of the hydrant to allow repairs without removing the hydrant barrel after it has been installed. Hydrants shall have renewable O-ring stem seals. Hydrant barrels shall be painted AWWA Safety Yellow. They shall be designed for a working pressure of 150 psi and will conform to AWWA Standard C502, "Fire Hydrants for Ordinary Water Works Service".

Hydrant shall have no drain parts. If parts exist, they shall be plugged with a threaded plug.

Operating stem shall be equipped with anti-friction thrust bearing to reduce operating torque and assure easy opening. Stops shall be provided to limit stem travel. Stem threads shall be enclosed in a permanently sealed lubricant reservoir with O-ring seals.

Hydrants shall be designated for 150 psi working pressure and shop tested to 300 psi pressure with main valve both opened and closed. Under test the valve shall not leak, the automatic drain shall function and there shall be no leakage into the bonnet.

Hydrant guard posts (bollards) shall be 6-inch diameter Class 50 ductile iron pipe.

Acceptable models include:

1. Mueller Centurion A-423
2. Kennedy K-81A
3. American Darling LCU B84B
4. Clow Medallion
5. U. S. Pipe Metropolitan 250 Model 94

Hydrants for all industrial and hazardous storage areas, as defined in the Standard Building Code, shall be 300 feet apart as measured along the centerline of the street. Hydrant barrels shall be painted AWWA Safety Yellow. They shall be designed for a working pressure of 150 psi and will conform to AWWA Standard C502, "Fire Hydrants for Ordinary Water. Works Service." Refer to Section 9.14 for additional fire hydrant detail.

SECTION 11. METER ASSEMBLY PARTS

Domestic Only.

SEWER:

SECTION 12. PLUG VALVES

All valves shall be eccentric plug valves unless otherwise specified. Valves shall be as manufactured by DeZurik, Homestead, or approved equal.

Plug valves shall be tested in accordance with AWWA C504 Section 5. Each valve shall be performance tested in accordance with AWWA C504 Section 5.2 and shall be given a leakage test and hydrostatic test as described in AWWA C504 Paragraphs 5.3 and 5.4. The leakage test shall be applied to the face of the plug tending to unseat the valve. The Manufacturer shall furnish certified copies of reports covering proof of design testing as described in AWWA C504 Section 5.5.

Plug valves shall be of the tight closing, resilient faced, non-lubricating variety and shall be of eccentric design such that the valve's pressure member (plug) rises off the body seat contact area immediately upon shaft rotation during the opening movement. Valve pressure ratings shall be as follows and shall be established by hydrostatic tests as specified by ANSI B16.1-1967. Valves shall be drip-tight in both directions (bi-directional) at rated pressure, 175 psi through 12-inch diameter, 150 psi for 14-inch diameter and above. The valve shall be provided with a 2-inch square operating nut.

The valve body shall be constructed of cast iron ASTM A126, Class B. Body ends shall be mechanical joint to meet the requirements of AWWA C111/ANSI A21.11 or single gasket push-on type.

The valve plug shall be constructed of cast iron or ductile iron and shall have a conical seating surface which is eccentrically offset from the center of the plug shafts. The plug and shafts shall be integral. The entire plug face shall be totally encapsulated with Buna N (Nitrile) rubber in all valve sizes. The rubber to metal bond must withstand 75 lbs. pull under test procedure ASTM D-429-73, Method B. When the plug is in full open position, plug geometry and body waterway contours must provide a passageway that allows flow capacity equal to 100% of the adjacent pipe area.

Valve seat mating surface shall be constructed of a welded-in overlay of not less than 90% nickel or be a one-piece 304 stainless steel ring. Seat ring contour must be precision machined.

A mechanical "brake" shall be supplied on all valves and shall be capable of "locking" the valve in any intermediate position between full-open and full-closed.

Valves shall have multiple V-type packing and packing glands and shall be capable of being field adjusted or repacked without the bonnet or plug being removed from the valve with the valve under the full rated pressure. Valves shall have a port position indicator.

For corrosion protection, the interior ferrous surfaces of all plug valves shall have a 2-part epoxy internal coating to a minimum of 20 mils thickness.

Valve shaft seals shall be adjustable and comply with AWWA C507 Section 10 and with AWWA C507 Section 11. Manual valves shall have lever or gear actuators and tee wrenches, extension stems, floorstands, etc. as indicated on the plans. All valves 6" and larger shall be equipped with gear actuators. All gearing shall be enclosed in a semi-steel housing and be suitable for running in a lubricant with seals provided on all shafts to prevent entry of dirt and water into the actuator. All actuator shafts shall be supported on permanently lubricated bronze bearings. Actuators shall clearly indicate valve position and an adjustable stop shall be provided to set closing torque. All adjustable stop shall be provided to set closing torque. All exposed nuts, bolts, and washers shall be zinc or cadmium plated. Valve packing adjustment shall be accessible without disassembly of the actuator.

Valves and gear actuators for submerged service shall have seals on all shafts and gaskets on the valve and actuator covers to prevent entry of water. Actuator mounting brackets for buried or submerged service shall be totally enclosed and shall have gasket seals. All exposed nuts, bolts, springs and washers shall be stainless steel.

Three-way plug valves shall be non-lubricated gear oriented. Valve bodies shall be ASTM A-126 Class, and be semi-steel with 125 lb. ANSI standard flanges. Plugs shall be resilient faced. Three-way valves shall be 3-way, 3 port 270 degree turn.

Plug valves installed such that actuators are 6 feet or more above the floor shall have chain wheels.

SECTION 13. TRANSITION FLEXIBLE COUPLINGS

Flexible couplings shall be either the split type or the sleeve type as shown on the Drawings.

Split type coupling shall be either the split type or the sleeve type as shown on the Drawings. The couplings shall be mechanical type for radius groove piping. The couplings shall mechanically engage and lock grooved pipe ends in a positive coupling and allow for angular deflection and contraction and expansion.

Couplings shall consist of malleable iron, ASTM Specification A47, Grade 32510 housing clamps in two or more parts, a single chlorinated butyl composition sealing gasket with a "C" shaped cross-section and internal sealing lips projecting diagonally inward, and two or more oval track head type bolts with hexagonal heavy nuts conforming to ASTM Specification A183 and A194 to assemble the housing clamps. Bolts and nuts shall be Series 300 stainless steel.

Victaulic type couplings and fittings may be used in lieu of flanged joints. Pipes shall be radius grooved as specified for use with the Victaulic couplings. Flanged adapter connections at fittings, valves, and equipment shall be Victaulic Vic Flange Style 741, equal by Gustin-Bacon Group, Division of Certain-Teed Products, Kansas City, Kansas, or equal.

Sleeve type couplings shall be used with all buried piping. The couplings shall be of steel and shall be Dresser Style 38, Smith Blair Style 413, Baker Allsteel, or equal. The coupling shall be provided with stainless steel bolts and nuts unless indicated otherwise.

All couplings shall be furnished with the pipe stop removed.

Couplings shall be provided with gaskets of a composition suitable for exposure to the liquid within the pipe.

SECTION 14. SEWER FITTINGS

Domestic Only, refer to enclosed additional specifications.

Flanges, elbows, reducers, tees, wyes, and other fittings shall, when installed, be capable of withstanding specified operating conditions. They may be contact molded or manufactured from mitered sections of pipe joined by glass fiber reinforced overlays. Field taps shall be made using “inserta-Tee” as manufactured by Fowler Manufacturing Company, or equal.

All fittings and accessories shall be furnished by the pipe supplier and shall have bell and/or spigot configuration compatible with the pipe.

SECTION 15. EPOXY LINED FLANGE FITTINGS

Domestic Only.

SECTION 16. EPOXY LINED M J FITTINGS

Domestic Only.

PIPE:

SECTION 17. SCHEDULE 40 PIPE

Domestic Only.

SECTION 18. SCHEDULE 80 PIPE

Domestic Only.

SECTION 19. POLYVINYL CHLORIDE PIPE

All polyvinyl chloride pipe (PVC) shall be of the integral bell and spigot joint type which meets or exceeds requirements set forth in ASTM D3034. Minimum wall thickness shall conform to SDR 26. Fittings shall be made of PVC plastic as defined in ASTM D1784. Flexible gasketed joints shall be elastomeric compression types conforming to ASTM F1336, ASTM D3201 and ASTM F477.

SECTION 20. HDPE PIPE AND FITTINGS

The following pipe materials shall be acceptable for force main construction:

High Density Polyethylene (HDPE) – Lee County Utilities has the option of approving the use of HDPE sanitary sewer force mains. HDPE force mains shall have the equivalent internal diameter and equivalent pressure class rating as the corresponding PVC pipe, unless otherwise approved by Lee County Utilities. HDPE pipe must have at least three equally spaced horizontal green marking stripes. Only AWWA approved pipe and fittings will be allowed.

SECTION 21. GRAVITY SEWER PIPE

All polyvinyl chloride pipe (PVC) shall be of the integral bell and spigot joint type which meets or exceeds requirements set forth in ASTM D3034. Minimum wall thickness shall conform to SDR 26. Fittings shall be made of PVC plastic as defined in ASTM D1784. Flexible gasketed joints shall be elastomeric compression types conforming to ASTM F1336, ASTM D3201 and ASTM F477.

SECTION 22. DUCTILE IRON PIPE

Ductile Iron Pipe shall be a minimum of Class 50 or pressure Class 250 and will be accepted in any diameter for use within the distribution system. Ductile Iron Pipe shall conform to the requirements of ANSI/AWWA C151, and shall be poly lined and conform to the requirements of ANSI Standard C104. Fittings for Ductile Iron Pipe shall conform to the requirements of ANSI/AWWA

C153/A21.53 or ANSI/AWWA C110/A21.10. Mechanical and push-on joints shall conform to ANSI/AWWA C111/A21.11 and flanged joints shall conform to ANSI/AWWA 115/a21.51.

The pipe wall thickness shall not be less than that required by a working pressure of 250 psi in laying condition Type 4 "B" with 5-foot cover in conformance with ANSI Standard A21.50.

Gaskets shall be a Buna N, Neoprene, or a Nitril-based rubber product approved by the County. Gaskets shall have clean tips unless otherwise specified. Elastomeric gaskets conforming to ASTM F-477 shall also be acceptable.

SECTION 23. MISCELLANEOUS

Line Items.

SECTION 24. MJACC SETS

Domestic Only.

SECTION 25. MJ GLANDS

Domestic Only.

SECTION 26. MJ GASKETS

Domestic Only.

SECTION 27. JOINT RESTRAINTS

Water

Joint restraint devices for ductile iron mechanical joint pipe and ductile iron mechanical joint fittings to ductile iron pipe shall be EBAA Iron Inc., Series 1100 Megalug (R), Star Pipe Products, L.P, or approved equal.

Bell joint restraint devices for ductile iron push joint pipe shall be EBAA Iron Inc., Series 1700 Megalug (R) for bell restraint, Star Pipe Products L.P., or approved equal.

Joint restraint devices for C-900, C905 PVC pipe used with ductile iron mechanical joint fittings shall be EBAA Iron Inc., Series 2000 PV, Uni-Flange 1300, Star Pipe Product, L.P., or approved equal.

Bell joint restraint devices for PVC push joint pipe shall be EBAA Iron Inc., Series 1600 for C-900 PVC pipe, Series 2800 for bell restraint on C-905 PVC pipe or Uni-Flange Series 1300, 1360 or 1390 or ROMAC Series 600, Star Pipe Products L.P., or approved equal.

C-900 or C-905 PVC fittings shall be restrained with EBAA Iron Inc., Series 2500 bell restraint for PVC fittings, Star Pipe Products, L.P, or an approved equal.

Bolts and nuts shall be Ductile Iron or 300 Series Stainless Steel, T-Head type with hexagonal nuts. Bolts and nuts shall be machines through and nuts shall be tapped at right angles to a smooth bearing surface.

Sewer

Restrained joints shall be provided at all tees, plugs, horizontal bends, vertical offsets, and locations shown on the drawings. Joint restraint devices for C-900, C905 PVC pipe used with ductile iron mechanical joint fittings shall be EBAA Iron Inc., Series 2000 PV, Uni-Flange 1300, Star Pipe Product, L.P., or approved equal. Bell joint restraint devices for PVC push joint pipe shall be EBAA Iron Inc., Series 1600 for C-900 PVC pipe, Series 2800 for bell restraint on C-905 PVC pipe or Uni-Flange Series 1300, 1360 or 1390 or ROMAC Series 600, Star Pipe Products L.P., or approved equal. C-900 or C-905 PVC fittings shall be restrained with EBAA Iron Inc., Series 2500 bell restraint for PVC fittings, Star Pipe Products, L.P., or an approved equal. Bolts and nuts shall be Ductile Iron or 300 Series Stainless Steel, T-Head type with hexagonal nuts. Bolts and nuts shall be machined through and nuts shall be tapped at right angles to a smooth bearing surface. Restraints shall be Class 150 psi and shall be capable of withstanding 300 psi quick burst test without separation or failure. Suitable PVC/ductile iron adapters shall be provided as necessary.

All of the above are sanctioned by the Lee County Utilities Operations Manual and relevant specifications. This manual will supercede any and all specifications included in these General Conditions. Copies of the LCU Operations Manual and specifications can be obtained in hard copy or digital form by calling LCU at 239-479-8181.

ATTACHMENT A
LOCAL VENDOR PREFERENCE QUESTIONNAIRE
(LEE COUNTY ORDINANCE NO. 00-10)

Instructions: Please complete either Part A or B whichever is applicable to your firm

PART A: VENDOR'S PRINCIPAL PLACE OF BUSINESS IS LOCATED WITHIN LEE COUNTY (Only complete Part A if your principal place of business is located within the boundaries of Lee County)

1. What is the physical location of your principal place of business that is located within the boundaries of Lee County, Florida?

2. What is the size of this facility (i.e. sales area size, warehouse, storage yard, etc.)

PART B: VENDOR'S PRINCIPAL PLACE OF BUSINESS IS NOT LOCATED WITHIN LEE COUNTY OR DOES NOT HAVE A PHYSICAL LOCATION WITHIN LEE COUNTY (Please complete this section.)

1. How many employees are available to service this contract? _____

2. Describe the types and amount of equipment you have available to service this contract.

3. Describe the types and amount of material stock that you have available to service this contract.

4. Have you provided goods or services to Lee County on a regular basis for the preceding, consecutive five years?

Yes _____ No _____

If yes, please provide your contractual history with Lee County for the past five, consecutive years. Attach additional pages necessary.

GUIDE "A"
INSURANCE REQUIREMENTS FOR PRODUCTS

Your certificate of insurance must meet the following requirements

- Requirement #1: The Lee County Board of County Commissioners shall be added as an additional insured on the comprehensive general liability policy.
- Requirement #2: Certificate holder shall be listed as follows:
- Lee County Board of County Commissioners
C/O Lee County Purchasing
P.O. Box 398
Fort Myers, FL 33902
- Requirement #3: **Each policy shall provide a 30 day notification clause in the event of cancellation, non-renewal or adverse change.**

This Standard Insurance Language is to be utilized for Contracts, or Agreements meeting these circumstances. Certain conditions and/or exposures may not relieve or limit the liability of the vendor. These requirements may not be sufficient or adequate to protect the vendor's interests or liabilities, but are merely minimums.

Circumstances

Project is for vendors providing a tangible product, and not labor, such as, but not limited to , hardware, supplies, and other merchandise.

Worker's Compensation

Statutory benefits as defined by FS 440 encompassing all operations contemplated by this contract or agreement to apply to all owners, officers, and employees regardless of the number of employees. Individual employees may be exempted per State Law. Employees liability will have minimum limits of:

- \$100,000 per accident
- \$500,000 disease limit
- \$100,000 disease limit per employee

Commercial General Liability

Coverage shall apply to premised and/or operations, products and/or completed operations, independent contractors, contractual liability, and broad form property damage exposures with minimum limits of:

- \$100,000 bodily injury per person (BI)
- \$300,000 bodily injury per occurrence (BI)
- \$100,000 property damage (PD) or
- \$300,000 combined single limit (CSL) of BI and PD

Business Automobile Liability

If the vendor indicates on the price page that vehicles other than their own (common carrier) will be used for delivery, then the following Automobile Liability will not be required.

Coverage shall apply to owned vehicles and/or hired and non-owned vehicles and employee non-ownership use with minimum limits of:

\$100,000 bodily injury per person (BI)
\$300,000 bodily injury per occurrence (BI)
\$100,000 property damage (PD) or
\$300,000 combined single limit (CSL) of BI and PD

Certificate of Insurance

An original hand signed certificate shall be on file with and approved by the Lee County Risk Management Office prior to the commencement of any work activities.

In the event the insurance coverage expires prior to the completion of the project, a renewal certificate shall be on file with Risk Management at least 15 days prior to the expiration date.

Revised 10/18/00

ATTACHMENT B
WATER, SEWER & IRRIGATION MATERIALS
ANNUAL FOR UTILITIES

UNIT PRICE SCHEDULE

ATTACHMENT B

FORMAL QUOTATION NO.: Q-020081

WATER, SEWER & IRRIGATION MATERIALS

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
WATER					
SECTION 1				****GALVANIZED FITTINGS****	
			10 EA.	3/4X12 GALV STEEL NIPPLE	
			10 EA.	3/4X24 GALV READY CUT PIPE	
			10 EA.	3/4X48 GALV READY CUT PIPE	
			10 EA.	3/4XCLOSE GALV STEEL NIPPLE	
			10 EA.	3/4X3 GALV STEEL NIPPLE	
			10 EA.	3/4X4 GALV STEEL NIPPLE	
			10 EA.	3/4X6 GALV STEEL NIPPLE	
			10 EA.	1X12 GALV STEEL NIPPLE	
			10 EA.	1X24 GALV READY CUT PIPE	
			10 EA.	1X36 GALV READY CUT PIPE	
			10 EA.	1X48 GALV READY CUT PIPE	
			10 EA.	1XCLOSE GALV STEEL NIPPLE	
			10 EA.	1X3 GALV STEEL NIPPLE	
			10 EA.	1X4 GALV STEEL NIPPLE	
			10 EA.	1X6 GALV STEEL NIPPLE	
			10 EA.	1-1/4XCLOSE GALV STEEL NIPPLE	
			10 EA.	1-1/4X4 GALV STEEL NIPPLE	
			10 EA.	1-1/4X6 GALV STEEL NIPPLE	
			10 EA.	1-1/2X12 GALV STEEL NIPPLE	
			10 EA.	1-1/2X24 GALV READY CUT PIPE	
			10 EA.	1-1/2X48 GALV READY CUT PIPE	
			10 EA.	1-1/2XCLOSE GALV STEEL NIPPLE	
			10 EA.	1-1/2X3 GALV STEEL NIPPLE	
			10 EA.	1-1/2X4 GALV STEEL NIPPLE	
			10 EA.	1-1/2X6 GALV STEEL NIPPLE	
			10 EA.	2X12 GALV STEEL NIPPLE	
			10 EA.	2X24 GALV READY CUT PIPE	
			10 EA.	2X36 GALV READY CUT PIPE	
			10 EA.	2X48 GALV READY CUT PIPE	
			10 EA.	2XCLOSE GALV STEEL NIPPLE	
			10 EA.	2X3 GALV STEEL NIPPLE	
			10 EA.	2X4 GALV STEEL NIPPLE	
			10 EA.	2X6 GALV STEEL NIPPLE	
			10 EA.	2-1/2XCLOSE GALV STEEL NIPPLE	
			10 EA.	2-1/2X4 GALV STEEL NIPPLE	
			10 EA.	2-1/2X6 GALV STEEL NIPPLE	
			10 EA.	3X12 GALV STEEL NIPPLE	
			10 EA.	3XCLOSE GALV STEEL NIPPLE	
			10 EA.	3X4 GALV STEEL N	
			10 EA.	4XCLOSE GALV STEEL NIPPLE	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	4X4 GALV STEEL NIPPLE	
			10 EA.	4X6 GALV STEEL NIPPLE	
			10 EA.	6XCLOSE GALV STEEL NIPPLE	
			10 EA.	6X6 GALV STEEL NIPPLE	
			10 EA.	3/4 GALV MI 150# BRASS GJ UNION	
			10 EA.	1 GALV MI 150# BRASS GJ UNION	
			10 EA.	1-1/2 GALV MI 150# BRASS GJ UNION	
			10 EA.	2 GALV MI 150# BRASS GJ UNION	
			10 EA.	3 GALV MI 150# BRASS GJ UNION	
			10 EA.	3/4 GALV MI 150# 45 ELBOW	
			10 EA.	1 GALV MI 150# 45 ELBOW	
			10 EA.	1-1/2 GALV MI 150# 45 ELBOW	
			10 EA.	2 GALV MI 150# 45 ELBOW	
			10 EA.	3/4 GALV MI 150# 90 ELBOW	
			10 EA.	1 GALV MI 150# 90 ELBOW	
			10 EA.	1-1/4 GALV MI 150# 90 ELBOW	
			10 EA.	1-1/2 GALV MI 150# 90 ELBOW	
			10 EA.	2 GALV MI 150# 90 ELBOW	
			10 EA.	3 GALV MI 150# 90 ELBOW	
			10 EA.	1/2X1/4 GALV STEEL HEX BUSHING	
			10 EA.	3/4X1/4 GALV STEEL HEX BUSHING	
			10 EA.	3/4X1/2 GALV STEEL HEX BUSHING	
			10 EA.	1X1/2 GALV MI HEX BUSHING	
			10 EA.	1X3/4 GALV MI HEX BUSHING	
			10 EA.	1-1/2X3/4 GALV CI HEX BUSHING	
			10 EA.	1-1/2X1 GALV CI HEX BUSHING	
			10 EA.	2X3/4 GALV CI HEX BUSHING	
			10 EA.	2X1 GALV CI HEX BUSHING	
			10 EA.	2X1-1/4 GALV CI HEX BUSHING	
			10 EA.	2X1-1/2 GALV MI HEX BUSHING	
			10 EA.	2-1/2X2 GALV MI HEX BUSHING	
			10 EA.	3X2 GALV CI HEX BUSHING	
			10 EA.	3/4 GALV MI 150# CAP	
			10 EA.	1 GALV MI 150# CAP	
			10 EA.	1-1/2 GALV MI 150# CAP	
			10 EA.	2 GALV MI 150# CAP	
			10 EA.	3/4 GALV MI 150# COUPLING	
			10 EA.	1 GALV MI 150# COUPLING	
			10 EA.	1-1/2 GALV MI 150# COUPLING	
			10 EA.	2 GALV MI 150# COUPLING	
			10 EA.	4 GALV MI 150# COUPLING	
			10 EA.	1/2 GALV CI CORED PLUG	
			10 EA.	3/4 GALV CI CORED PLUG	
			10 EA.	1 GALV CI CORED PLUG	
			10 EA.	1-1/2 GALV CI CORED PLUG	
			10 EA.	2 GALV CI CORED PLUG	
			10 EA.	2X3/4 GALV MI 150# RED COUPLING	
			10 EA.	2-1/2X2 GALV MI 150# RED COUPLING	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	3/4 GALV MI 150# TEE	
			10 EA.	1 GALV MI 150# TEE	
			10 EA.	1-1/4 GALV MI 150# TEE	
			10 EA.	1-1/2 GALV MI 150# TEE	
			10 EA.	2 GALV MI 150# TEE	
			10 EA.	2X2X1 GALV MI 150# TEE	
			10 EA.	3 GALV MI 150# TEE	
			10 EA.	4 GALV MI 150# TEE	
				GRAND TOTAL (UNIT COST)	
				****BRASS FITTINGS****	
			10 EA.	1 BRASS 45 ELBOW	
			10 EA.	2 BRASS 4 5 ELBOW	
			10 EA.	2-1/2 BRASS 45 ELBOW	
			10 EA.	3/4 BRASS 90 ELBOW	
			10 EA.	1 BRASS 90 ELBOW	
			10 EA.	1-1/2 BRASS 90 ELBOW	
			10 EA.	2 BRASS 90 ELBOW	
			10 EA.	2-1/2 BRASS 90 ELBOW	
			10 EA.	3/4X1/4 BRASS BUSHING	
			10 EA.	3/4X3/8 BRASS BUSHING	
			10 EA.	3/4X1/2 BRASS BUSHING	
			10 EA.	1X1/4 BRASS BUSHING	
			10 EA.	1X1/2 BRASS BUSHING	
			100 EA.	1X3/4 BRASS BUSHING	
			10 EA.	1-1/2X3/4 BRASS BUSHING	
			10 EA.	1-1/2X1 BRASS BUSHING	
			10 EA.	2X3/4 BRASS BUSHING	
			10 EA.	2X1 BRASS BUSHING	
			10 EA.	2X1-1/2 BRASS BUSHING	
			10 EA.	2-1/2X2 BRASS BUSHING	
			10 EA.	3/4 BRASS CAP	
			10 EA.	2 BRASS CAP	
			50 EA.	3/4 BRASS COUPLING	
			50 EA.	1 BRASS COUPLING	
			10 EA.	1-1/2 BRASS COUPLING	
			10 EA.	2 BRASS COUPLING	
			10 EA.	1/4X3 BRASS NIPPLE	
			10 EA.	1/2XCLOSE BRASS NIPPLE	
			10 EA.	1/2X2 BRASS NIPPLE	
			10 EA.	1/2X2 BRASS NIPPLE	
			10 EA.	3/4X12 BRASS NIPPLE	
			10 EA.	3/4X24 BRASS NIPPLE	
			10 EA.	3/4X36 BRASS NIPPLE	
			10 EA.	3/4XCLOSE BRASS NIPPLE	
			10 EA.	3/4X3 BRASS NIPPLE	
			10 EA.	3/4X4 BRASS NIPPLE	
			10 EA.	3/4X6 BRASS NIPPLE	
			10 EA.	1X12 BRASS NIPPLE	
			10 EA.	1X24 BRASS NIPPLE	

SECTION 2

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	1X36 BRASS NIPPLE	
			10 EA.	1XCLOSE BRASS NIPPLE	
			10 EA.	1X3 BRASS NIPPLE	
			10 EA.	1X4 BRASS NIPPLE	
			10 EA.	1X6 BRASS NIPPLE	
			10 EA.	1-1/4X12 BRASS NIPPLE	
			10 EA.	1-1/2X12 BRASS NIPPLE	
			10 EA.	1-1/2X24 BRASS NIPPLE	
			10 EA.	1-1/2X36 BRASS NIPPLE	
			10 EA.	1-1/2X48 BRASS NIPPLE	
			10 EA.	1-1/2XCLOSE BRASS NIPPLE	
			10 EA.	1-1/2X3 BRASS NIPPLE	
			10 EA.	1-1/2X4 BRASS NIPPLE	
			10 EA.	1-1/2X6 BRASS NIPPLE	
			10 EA.	2X12 BRASS NIPPLE	
			10 EA.	2X24 BRASS NIPPLE	
			10 EA.	2X36 BRASS NIPPLE	
			10 EA.	2X48 BRASS NIPPLE	
			50 EA.	2XCLOSE BRASS NIPPLE	
			50 EA.	2X3 BRASS NIPPLE	
			50 EA.	2X4 BRASS NIPPLE	
			50 EA.	2X6 BRASS NIPPLE	
			50 EA.	2X8 BRASS NIPPLE	
			10 EA.	2-1/2X3 BRASS NIPPLE	
			10 EA.	2-1/2X4 BRASS NIPPLE	
			10 EA.	3/4 BRASS PLUG	
			10 EA.	1 BRASS PLUG	
			10 EA.	1-1/2 BRASS PLUG	
			10 EA.	2 BRASS PLUG	
			10 EA.	3/4 BRASS TEE	
			10 EA.	1 BRASS TEE	
			10 EA.	1-1/2 BRASS TEE	
			10 EA.	2 BRASS TEE	
			10 EA.	3/4 BRASS 150# UNION	
			10 EA.	1 BRASS 150# UNION	
			10 EA.	1-1/2 BRASS 150# UNION	
			10 EA.	2 BRASS 150# UNION	
				GRAND TOTAL (UNIT COST)	
SECTION 3				****COPPER TUBING****	
			10 EA.	3/4 X 20 FT K HARD COPPER TUBE	
			10 EA.	1 X 20 FT K HARD COPPER TUBE	
			10 EA.	1-1/2 X 20 FT K HARD COPPER TUBE	
			10 EA.	2 X 20 FT K HARD COPPER TUBE	
				GRAND TOTAL (UNIT COST)	
SECTION 4				****POLY TUBING****	
			10 EA.	3/4X100 HD200 CTS BLUE POLY	
			10 EA.	3/4X500 HD200 CTS BLUE POLY	
			10 EA.	1X100 HD200 CTS BLUE POLY	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	1X300 HD200 CTS BLUE POLY	
			10 EA.	1X500 HD200 CTS BLUE POLY	
			10 EA.	1-1/2X100 HD200 CTS BLUE POLY	
			10 EA.	1-1/2X300 HD200 CTS BLUE POLY	
			10 EA.	2X100 HD200 CTS BLUE POLY	
			10 EA.	2X200 HD200 CTS BLUE POLY	
			10 EA.	2X300 HD200 CTS BLUE POLY	
			10 EA.	1X300 HD200 CTS PURP POLY	
			10 EA.	1-1/2X100 HD200 CTS PURP POLY	
			10 EA.	1-1/2X300 HD200 CTS PURP POLY	
			10 EA.	2X100 HD200 CTS PURP POLY	
			10 EA.	2X200 HD200 CTS PURP POLY	
				GRAND TOTAL (UNIT COST)	
FITTINGS					
SECTION 5				****SCH 40 FITTINGS****	
			10 EA.	3/4 PVC SCH40 SXS 45 ELBOW	
			10 EA.	1 PVC SCH40 SXS 45 ELBOW	
			10 EA.	1-1/4 PVC SCH40 SXS 45 ELBOW	
			10 EA.	1-1/2 PVC SCH40 SXS 45 ELBOW	
			10 EA.	2 PVC SCH40 SXS 45 ELBOW	
			10 EA.	2-1/2 PVC SCH40 SXS 45 ELBOW	
			10 EA.	3 PVC SCH40 SXS 45 ELBOW	
			10 EA.	4 PVC SCH40 SXS 45 ELBOW	
			10 EA.	6 PVC SCH40 SXS 45 ELBOW	
			10 EA.	8 PVC SCH40 SXS 45 ELBOW	
			10 EA.	10 PVC SCH40 SXS 90 ELBOW	
			10 EA.	1/2 PVC SCH40 SXS 90 ELBOW	
			10 EA.	3/4 PVC SCH40 SXS 90 ELBOW	
			10 EA.	3/4 PVC SCH40 SXS 90 ELBOW	
			10 EA.	1 PVC SCH40 SXS 90 ELBOW	
			10 EA.	1-1/4 PVC SCH40 SXS 90 ELBOW	
			10 EA.	1-1/2 PVC SCH40 SXS 90 ELBOW	
			10 EA.	2 PVC SCH40 SXS 90 ELBOW	
			10 EA.	2-1/2 PVC SCH40 SXS 90 ELBOW	
			10 EA.	3 PVC SCH40 SXS 90 ELBOW	
			10 EA.	4 PVC SCH40 SXS 90 ELBOW	
			10 EA.	6 PVC SCH40 SXS 90 ELBOW	
			10 EA.	8 PVC SCH40 SXS 90 ELBOW	
			10 EA.	3/4X1/2 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	1X3/4 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	1-1/4X1 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	1-1/2X3/4 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	1-1/2X1 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	1-1/2X1-1/4 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	2X3/4 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	2X1 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	2X1 1/2 PVC SCH40 SPXSLIP BUSHING	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	2-1/2X2 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	3X2 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	3X2-1/2 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	4X2 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	4X3 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	6X3 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	6X4 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	8X4 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	8X6 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	1/2 PVC SCH40 SOC CAP	
			10 EA.	3/4 PVC SCH40 SOC CAP	
			10 EA.	1 PVC SCH40 SOC CAP	
			10 EA.	1-1/4 PVC SCH40 SOC CAP	
			10 EA.	1-1/2 PVC SCH40 SOC CAP	
			10 EA.	2 PVC SCH40 SOC CAP	
			10 EA.	2-1/2 PVC SCH40 SOC CAP	
			10 EA.	3 PVC SCH40 SOC CAP	
			10 EA.	4 PVC SCH40 SOC CAP	
			10 EA.	6 PVC SCH40 SOC CAP	
			10 EA.	8 PVC SCH40 SOC CAP	
			10 EA.	1/2 PVC SCH40 SXS COUPLING	
			10 EA.	3/4 PVC SCH40 SXS COUPLING	
			10 EA.	1 PVC SCH40 SXS COUPLING	
			10 EA.	1-1/4 PVC SCH40 SXS COUPLING	
			10 EA.	1-1/2 PVC SCH40 SXS COUPLING	
			10 EA.	2 PVC SCH40 SXS COUPLING	
			10 EA.	2-1/2 PVC SCH40 SXS COUPLING	
			10 EA.	3 PVC SCH40 SXS COUPLING	
			10 EA.	4 PVC SCH40 SXS COUPLING	
			10 EA.	6 PVC SCH40 SXS COUPLING	
			10 EA.	8 PVC SCH40 SXS COUPLING	
			10 EA.	3/4 PVC SCH40 SXF 90 ELBOW	
			10 EA.	1 PVC SCH40 SXF 90 ELBOW	
			10 EA.	1/2 PVC SCH40 SXF ADAPTOR	
			50 EA.	3/4 PVC SCH40 SXF ADAPTOR	
			10 EA.	1 PVC SCH40 SXF ADAPTOR	
			10 EA.	1-1/4 PVC SCH40 SXF ADAPTOR	
			10 EA.	1-1/2 PVC SCH40 SXF ADAPTOR	
			10 EA.	2 PVC SCH40 SXF ADAPTOR	
			10 EA.	3 PVC SCH40 SXF ADAPTOR	
			10 EA.	4 PVC SCH40 SXF ADAPTOR	
			10 EA.	6 PVC SCH40 SXF ADAPTOR	
			10 EA.	3/4X1/2 PVC SCH40 FT G X F BUSHING	
			10 EA.	1X1/2 PVC SCH40 FTG X F BUSHING	
			10 EA.	1X3/4 PVC SCH40 FTG X F BUSHING	
			10 EA.	1-1/4X3/4 PVC SCH40 FT G X F BUSHING	
			10 EA.	1-1/2X3/4 PVC SCH40 FT G X F BUSHING	
			10 EA.	1-1/2X1 PVC SCH40 FT G X F BUSHING	
			10 EA.	2X3/4 PVC SCH40 FTG X F BUSHING	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	2X1 PVC SCH40 FTG X F BUSHING	
			10 EA.	2X1-1/2 PVC SCH40 FTG X F BUSHING	
			10 EA.	2-1/2X2 PVC SCH40 FT G X F BUSHING	
			10 EA.	1 PVC SCH40 SXM ST 90 ELBOW	
			10 EA.	1/2 PVC SCH40 SXM ADAPTOR	
			10 EA.	3/4 PVC SCH40 SXM ADAPTOR	
			10 EA.	1 PVC SCH40 SXM ADAPTOR	
			10 EA.	1-1/4 PVC SCH40 SXM ADAPTOR	
			10 EA.	1-1/2 PVC SCH40 SXM ADAPTOR	
			10 EA.	2 PVC SCH40 SXM ADAPTOR	
			10 EA.	2-1/2 PVC SCH40 SXM ADAPTOR	
			10 EA.	3 PVC SCH40 SXM ADAPTOR	
			10 EA.	4 PVC SCH40 SXM ADAPTOR	
			10 EA.	6 PVC SCH40 SXM ADAPTOR	
			10 EA.	3/4 PVC SCH40 SXSXS TEE	
			10 EA.	1 PVC SCH40 SXSXS TEE	
			10 EA.	1-1/4 PVC SCH40 SXSXS TEE	
			10 EA.	1-1/2 PVC SCH40 SXSXS TEE	
			10 EA.	2 PVC SCH40 SXSXS TEE	
			10 EA.	2-1/2 PVC SCH40 SXSXS TEE	
			10 EA.	3 PVC SCH40 SXSXS TEE	
			10 EA.	4 PVC SCH40 SXSXS TEE	
			10 EA.	6 PVC SCH40 SXSXS TEE	
			10 EA.	8 PVC SCH40 SXSXS TEE	
			10 EA.	1X3/4 PVC SCH40 THRD BUSHING	
			10 EA.	2X3/4 PVC SCH40 THRD BUSHING	
			10 EA.	2X1 PVC SCH40 THRD BUSHING	
			10 EA.	2X1-1/2 PVC SCH40 THRD BUSHING	
			10 EA.	3/4 PVC SCH40 THRD CAP	
			10 EA.	1 PVC SCH40 THRD CAP	
			10 EA.	1-1/2 PVC SCH40 THRD CAP	
			10 EA.	2 PVC SCH40 THRD CAP	
			10 EA.	1/2 PVC SCH40 THRD PLUG	
			10 EA.	3/4 PVC SCH40 THRD PLUG	
			10 EA.	1 PVC SCH40 THRD PLUG	
			10 EA.	1-1/2 PVC SCH40 THRD PLUG	
			10 EA.	2 PVC SCH40 THRD PLUG	
			10 EA.	3 PVC SCH40 THRD PLUG	
				****SCH 80 FITTINGS****	
			10 EA.	4 PVC SCH80 BLIND FLANGE	
			10 EA.	6 PVC SCH80 BLIND FLANGE	
			10 EA.	8 PVC SCH80 BLIND FLANGE	
			10 EA.	1/2 PVC SCH80 SXS 45 ELBOW	
			10 EA.	3/4 PVC SCH80 SXS 45 ELBOW	
			10 EA.	1 PVC SCH80 SXS 45 ELBOW	
			10 EA.	1-1/4 PVC SCH80 SXS 45 ELBOW	
			10 EA.	1-1/2 PVC SCH80 SXS 45 ELBOW	
			10 EA.	2 PVC SCH80 SXS 45 ELBOW	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	2-1/2 PVC SCH80 SXS 45 ELBOW	
			10 EA.	3 PVC SCH80 SXS 45 ELBOW	
			10 EA.	4 PVC SCH80 SXS 45 ELBOW	
			10 EA.	6 PVC SCH80 SXS 45 ELBOW	
			10 EA.	1/2 PVC SCH80 SXS 90 ELBOW	
			10 EA.	3/4 PVC SCH80 SXS 90 ELBOW	
			10 EA.	1 PVC SCH80 90 ELBOW	
			10 EA.	1-1/4 PVC SCH80 SXS 90 ELBOW	
			10 EA.	1-1/2 PVC SCH80 SXS 90 ELBOW	
			10 EA.	2 PVC SCH80 90 ELBOW	
			10 EA.	2-1/2 PVC SCH80 SXS 90 ELBOW	
			10 EA.	3 PVC SCH80 90 ELBOW	
			10 EA.	4 PVC SCH80 SXS 90 ELBOW	
			10 EA.	6 PVC SCH80 90 ELBOW	
			10 EA.	8 PVC SCH80 SXS 90 ELBOW	
			10 EA.	3/4X1/2 PVC SCH80 FTG XS BUSHING	
			10 EA.	1X1/2 PVC SCH80 FTG XS BUSHING	
			10 EA.	1X3/4 PVC SCH80 FTG XS BUSHING	
			10 EA.	1-1/4X1 PVC SCH80 FTG XS BUSHING	
			10 EA.	1-1/2X1 PVC SCH80 FTG XS BUSHING	
			10 EA.	1-1/2X1-1/4 PVC SCH80 FTG X S BUSHING	
			10 EA.	2X3/4 PVC SCH80 FTG X S BUSHING	
			10 EA.	2X1 PVC SCH80 FTG X S BUSHING	
			10 EA.	2X1-1/4 PVC SCH80 FTG XS BUSHING	
			10 EA.	2X1-1/2 PVC SCH80 FTG XS BUSHING	
			10 EA.	2-1/2X2 PVC SCH80 FTG XS BUSHING	
			10 EA.	3X2 PVC SCH80 FTG X S BUSHING	
			10 EA.	3X2-1/2 PVC SCH80 FTG XS BUSHING	
			10 EA.	4X2 PVC SCH80 FTG X S BUSHING	
			10 EA.	4X3 PVC SCH80 FTG X S BUSHING	
			10 EA.	6X4 PVC SCH80 FTG X S BUSHING	
			10 EA.	3/4 PVC SCH80 SLIP CAP	
			10 EA.	1 PVC SCH80 SXS CAP	
			10 EA.	1-1/2 PVC SCH80 SXS CAP	
			10 EA.	2 PVC SCH80 SLIP CAP	
			10 EA.	2-1/2 PVC SCH80 SLIP CAP	
			10 EA.	3 PVC SCH80 SLIP CAP	
			10 EA.	4 PVC SCH80 SLIP CAP	
			10 EA.	1/2 PVC SCH80 SXS COUPLING	
			10 EA.	3/4 PVC SCH80 SXS COUPLING	
			10 EA.	1 PVC SCH80 SXS COUPLING	
			10 EA.	1-1/4 PVC SCH80 SXS COUPLING	
			10 EA.	1-1/2 PVC SCH80 SXS COUPLING	
			10 EA.	2 PVC SCH80 SXS COUPLING	
			10 EA.	2-1/2 PVC SCH80 SXS COUPLING	
			10 EA.	3 PVC SCH80 SXS COUPLING	
			10 EA.	4 PVC SCH80 SXS COUPLING	
			10 EA.	6 PVC SCH80 SXS COUPLING	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	8 PVC SCH80 SXS COUPLING	
			10 EA.	3/4 PVC SCH80 SXF 90 ELBOW	
			10 EA.	1 PVC SCH80 SXF 90 ELBOW	
			10 EA.	1-1/2 PVC SCH80 SXF 90 ELBOW	
			10 EA.	2 PVC SCH80 SXF 90 ELBOW	
			10 EA.	1/2 PVC SCH80 SXF ADAPTOR	
			10 EA.	3/4 PVC SCH80 SXF ADAPTOR	
			10 EA.	1 PVC SCH80 SXF ADAPTOR	
			10 EA.	1-1/4 PVC SCH80 SXF ADAPTOR	
			10 EA.	1-1/2 PVC SCH80 SXF ADAPTOR	
			10 EA.	2 PVC SCH80 SXF ADAPTOR	
			10 EA.	2-1/2 PVC SCH80 SXF ADAPTOR	
			10 EA.	3 PVC SCH80 SXF ADAPTOR	
			10 EA.	4 PVC SCH80 SXF ADAPTOR	
			10 EA.	1/2X1/4 PVC SCH80 SXF BUSHING	
			10 EA.	3/4X1/2 PVC SCH80 SXF BUSHING	
			10 EA.	1X1/2 PVC SCH80 SXF BUSHING	
			10 EA.	1X3/4 PVC SCH80 SXF BUSHING	
			10 EA.	1-1/2X1 PVC SCH80 SXF BUSHING	
			10 EA.	1-1/2X1-1/4 PVC SCH80 SXF BUSHING	
			10 EA.	2X3/4 PVC SCH80 SXF BUSHING	
			10 EA.	2X1 PVC SCH80 SXF BUSHING	
			10 EA.	2X1-1/4 PVC SCH80 SXF BUSHING	
			10 EA.	2X1-1/2 PVC SCH80 SXF BUSHING	
			10 EA.	2-1/2X2 PVC SCH80 SXF BUSHING	
			10 EA.	3X2 PVC SCH80 SXF BUSHING	
			10 EA.	4X2 PVC SCH80 SXF BUSHING	
			10 EA.	1/2 PVC SCH80 SXM ADAPTOR	
			10 EA.	3/4 PVC SCH80 SXM ADAPTOR	
			10 EA.	1 PVC SCH80 SXM ADAPTOR	
			10 EA.	1-1/4 PVC SCH80 SXM ADAPTOR	
			10 EA.	1-1/2 PVC SCH80 SXM ADAPTOR	
			10 EA.	2 PVC SCH80 SXM ADAPTOR	
			10 EA.	2-1/2 PVC SCH80 SXM ADAPTOR	
			10 EA.	2-1/2 PVC SCH80 SXM ADAPTOR	
			10 EA.	3 PVC SCH80 SXM ADAPTOR	
			10 EA.	4 PVC SCH80 SXM ADAPTOR	
			10 EA.	1/2 PVC SCH80 SXSXS TEE	
			10 EA.	3/4 PVC SCH80 SXSXS TEE	
			10 EA.	1 PVC SCH80 SXSXS TEE	
			10 EA.	1-1/4 PVC SCH80 SXSXS TEE	
			10 EA.	1-1/2 PVC SCH80 SXSXS TEE	
			10 EA.	2 PVC SCH80 SXSXS TEE	
			10 EA.	2-1/2 PVC SCH80 SXSXS TEE	
			10 EA.	3 PVC SCH80 SXSXS TEE	
			10 EA.	4 PVC SCH80 SXSXS TEE	
			10 EA.	6 PVC SCH80 SXSXS TEE	
			10 EA.	1/2 PVC SCH80 SXS UNION	
			10 EA.	3/4 PVC SCH80 SXS UNION	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	1 PVC SCH80 SXS UNION	
			10 EA.	1-1/4 PVC SCH80 SXS UNION	
			10 EA.	1-1/2 PVC SCH80 SXS UNION	
			10 EA.	2 PVC SCH80 SXS UNION	
			10 EA.	2-1/2 PVC SCH80 SXS UNION	
			10 EA.	3 PVC SCH80 SXS UNION	
			10 EA.	4 PVC S80 SXS UNION	
			10 EA.	3/4 PVC SCH80 THRD 45 ELBOW	
			10 EA.	1 PVC SCH80 THRD 45 ELBOW	
			10 EA.	2 PVC SCH80 THRD 45 ELBOW	
			10 EA.	4 PVC SCH80 THRD 45 ELBOW	
			10 EA.	1/2 PVC SCH80 THRD 90 ELBOW	
			10 EA.	3/4 PVC SCH80 THRD 90 ELBOW	
			10 EA.	1 PVC SCH80 THRD 90 ELBOW	
			10 EA.	1-1/4 PVC SCH80 THRD 90 ELBOW	
			10 EA.	1-1/2 PVC SCH80 THRD 90 ELBOW	
			10 EA.	2 PVC SCH80 THRD 90 ELBOW	
			10 EA.	1/2X1/4 PVC SCH80 THRD BUSHING	
			10 EA.	3/4X1/4 PVC SCH80 THRD BUSHING	
			10 EA.	3/4X1/2 PVC SCH80 THRD BUSHING	
			10 EA.	1X3/4 PVC SCH80 THRD BUSHING	
			10 EA.	1-1/4X1 PVC SCH80 THRD BUSHING	
			10 EA.	1-1/2X1 PVC SCH80 THRD BUSHING	
			10 EA.	2X3/4 PVC SCH80 THRD BUSHING	
			10 EA.	2X1 PVC SCH80 THRD BUSHING	
			10 EA.	2X1 PVC SCH80 THRD BUSHING	
			10 EA.	2X1-1/4 PVC SCH80 THRD BUSHING	
			10 EA.	2X1-1/2 PVC SCH80 THRD BUSHING	
			10 EA.	2-1/2X2 PVC SCH80 THRD BUSHING	
			10 EA.	3X2 PVC SCH80 THRD BUSHING	
			10 EA.	4X3 PVC SCH80 THRD BUSHING	
			10 EA.	3/4 PVC SCH80 THRD CAP	
			10 EA.	1 PVC SCH80 THRD CAP	
			10 EA.	1-1/4 PVC SCH80 THRD CAP	
			10 EA.	1-1/2 PVC SCH80 THRD CAP	
			10 EA.	2 PVC SCH80 THRD CAP	
			10 EA.	1/2 PVC SCH80 THRD COUPLING	
			10 EA.	3/4 PVC SCH80 THRD COUPLING	
			10 EA.	1 PVC SCH80 THRD COUPLING	
			10 EA.	1-1/2 PVC SCH80 THRD COUPLING	
			10 EA.	2 PVC SCH80 THRD COUPLING	
			10 EA.	3/4 PVC SCH80 THRD PLUG	
			10 EA.	1 PVC SCH80 THRD PLUG	
			10 EA.	1-1/2 PVC SCH80 THRD PLUG	
			10 EA.	2 PVC SCH80 THRD PLUG	
			10 EA.	3/4 PVC SCH80 THRD TEE	
			10 EA.	1 PVC SCH80 THRD TEE	
			10 EA.	1-1/4 PVC SCH80 THRD TEE	
			10 EA.	1-1/2 PVC SCH80 THRD TEE	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	2 PVC SCH80 THRD TEE	
			10 EA.	3/4 PVC SCH80 THRD UNION	
			10 EA.	1 PVC SCH80 THRD UNION	
			10 EA.	1-1/4 PVC SCH80 THRD UNION	
			10 EA.	1-1/2 PVC SCH80 THRD UNION	
			10 EA.	2 PVC SCH80 THRD UNION	
			10 EA.	10 PVC SCH80 VAN STONE SOC FLANGE	
			10 EA.	12 PVC SCH80 VAN STONE SOC FLANGE	
			10 EA.	2 PVC SCH80 VAN STONE SOC FLANGE	
			10 EA.	3 PVC SCH80 VAN STONE SOC FLANGE	
			10 EA.	4 PVC SCH80 VAN STONE SOC FLANGE	
			10 EA.	6 PVC SCH80 VAN STONE SOC FLANGE	
			10 EA.	8 PVC SCH80 VAN STONE SOC FLANGE	
			10 EA.	1/2XCLOSE PVC SCH80 NIPPLE	
			10 EA.	1/2X3 PVC SCH80 NIPPLE	
			10 EA.	1/2X6 PVC SCH80 NIPPLE	
			10 EA.	3/4XCLOSE PVC SCH80 NIPPLE	
			10 EA.	3/4X2 PVC SCH80 NIPPLE	
			10 EA.	3/4X3 PVC SCH80 NIPPLE	
			10 EA.	3/4X4 PVC SCH80 NIPPLE	
			10 EA.	3/4X6 PVC SCH80 NIPPLE	
			10 EA.	1XCLOSE PVC SCH80 NIPPLE	
			10 EA.	1X3 PVC SCH80 NIPPLE	
			10 EA.	1X4 PVC SCH80 NIPPLE	
			10 EA.	1X6 PVC SCH80 NIPPLE	
			10 EA.	1-1/4XCLOSE PVC SCH80 NIPPLE	
			10 EA.	1-1/4X3 PVC SCH80 NIPPLE	
			10 EA.	1-1/4X4 PVC SCH80 NIPPLE	
			10 EA.	1-1/4X6 PVC SCH80 NIPPLE	
			10 EA.	1-1/2XCLOSE PVC SCH80 NIPPLE	
			10 EA.	1-1/2X3 PVC SCH80 NIPPLE	
			10 EA.	1-1/2X4 PVC SCH80 NIPPLE	
			10 EA.	1-1/2X6 PVC SCH80 NIPPLE	
			10 EA.	1-1/2X6 PVC SCH80 NIPPLE	
			10 EA.	2XCLOSE PVC SCH80 NIPPLE	
			10 EA.	2X3 PVC SCH80 NIPPLE	
			10 EA.	2X4 PVC SCH80 NIPPLE	
			10 EA.	2X6 PVC SCH80 NIPPLE	
			10 EA.	2X8 PVC SCH80 NIPPLE	
			10 EA.	3XCLOSE PVC SCH80 NIPPLE	
			10 EA.	3X4 PVC SCH80 NIPPLE	
			10 EA.	3X6 PVC SCH80 NIPPLE	
			10 EA.	4XCLOSE PVC SCH80 NIPPLE	
			10 EA.	4X6 PVC SCH80 NIPPLE	
				GRAND TOTAL (UNIT COST)	
				****MECHANICAL FITTINGS****	
			10 EA.	10 MJ C153 11-1/4 BEND L/A	

SECTION 6

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	12 MJ C153 11-1/4 BEND L/A	
			10 EA.	16 MJ C153 11-1/4 BEND L/A	
			10 EA.	20 MJ C153 11-1/4 BEND L/A	
			10 EA.	4 MJ C153 11-1/4 BEND L/A	
			10 EA.	6 MJ C153 11-1/4 BEND L/A	
			10 EA.	8 MJ C153 11-1/4 BEND L/A	
			10 EA.	10 MJ C153 22-1/2 BEND L/A	
			10 EA.	12 MJ C153 22-1/2 BEND L/A	
			10 EA.	14 MJ C153 22-1/2 BEND L/A	
			10 EA.	16 MJ C153 22-1/2 BEND L/A	
			10 EA.	3 MJ C153 22-1/2 BEND L/A	
			10 EA.	4 MJ C153 22-1/2 BEND L/A	
			10 EA.	6 MJ C153 22-1/2 BEND L/A	
			10 EA.	8 MJ C153 22-1/2 BEND L/A	
			10 EA.	10 MJ C153 45 BEND L/A	
			10 EA.	12 MJ C153 45 BEND L/A	
			10 EA.	14 MJ C153 45 BEND L/A	
			10 EA.	16 MJ C153 45 BEND L/A	
			10 EA.	18 MJ C153 45 BEND L/A	
			10 EA.	20 MJ C153 45 BEND L/A	
			10 EA.	24 MJ C153 45 BEND L/A	
			10 EA.	3 MJ C153 45 BEND L/A	
			10 EA.	4 MJ C153 45 BEND L/A	
			10 EA.	6 MJ C153 45 BEND L/A	
			10 EA.	8 MJ C153 45 BEND L/A	
			10 EA.	10 MJ C153 90 BEND L/A	
			10 EA.	12 MJ C153 90 BEND L/A	
			10 EA.	14 MJ C153 90 BEND L/A	
			10 EA.	16 MJ C153 90 BEND L/A	
			10 EA.	18 MJ C153 90 BEND L/A	
			10 EA.	20 MJ C153 90 BEND L/A	
			10 EA.	24 MJ C153 90 BEND L/A	
			10 EA.	3 MJ C153 90 BEND L/A	
			10 EA.	4 MJ C153 90 BEND L/A	
			10 EA.	6 MJ C153 90 BEND L/A	
			10 EA.	8 MJ C153 90 BEND L/A	
			10 EA.	3 MJXFLANGE C153 ADAPTOR L/A	
			10 EA.	4 MJXFLANGE C153 ADAPTOR L/A	
			10 EA.	6 MJXFLANGE C153 ADAPTOR L/A	
			10 EA.	8 MJXFLANGE C153 ADAPTOR L/A	
			10 EA.	10X6 LEMJ C153 RED L/A	
			10 EA.	10X8 LEMJ C153 RED L/A	
			10 EA.	12X10 LEMJ C153 RED L/A	
			10 EA.	12X6 LEMJ C153 RED L/A	
			10 EA.	12X8 LEMJ C153 RED L/A	
			10 EA.	4X3 LEMJ C153 RED L/A	
			10 EA.	6X3 LEMJ C153 RED L/A	
			10 EA.	6X4 LEMJ C153 RED L/A	
			10 EA.	8X4 LEMJ C153 RED L/A	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	8X6 LEMJ C153 RED L/A	
			16 EA.	10X12 MJ C153 LONG SLV L/A	
			16 EA.	12X12 MJ C153 LONG SLV L/A	
			16 EA.	14 MJ C153 LONG SLV L/A	
			16 EA.	16X15 MJ C153 LONG SLV L/A	
			16 EA.	18 MJ C153 LONG SLV L/A	
			16 EA.	20 MJ C153 LONG SLV L/A	
			16 EA.	24 MJ C153 LONG SLV L/A	
			16 EA.	3 MJ C153 LONG SLV L/A	
			16 EA.	4X12 MJ C153 LONG SLV L/A	
			16 EA.	6X12 MJ C153 LONG SLV L/A	
			16 EA.	8X12 MJ C153 LONG SLV L/A	
			10 EA.	10 MJXPE C153 45 BEND L/A	
			10 EA.	12 MJXPE C153 45 BEND L/A	
			10 EA.	3 MJXPE C153 45 BEND L/A	
			10 EA.	4 MJXPE C153 45 BEND L/A	
			10 EA.	6 MJXPE C153 45 BEND L/A	
			10 EA.	8 MJXPE C153 45 BEND L/A	
			10 EA.	10 MJXPE C153 90 BEND L/A	
			10 EA.	4 MJXPE C153 90 BEND L/A	
			10 EA.	6 MJXPE C153 90 BEND L/A	
			10 EA.	8 MJXPE C153 90 BEND L/A	
			10 EA.	10X4 MJ C153 RED L/A	
			10 EA.	10X6 MJ C153 RED L/A	
			10 EA.	10X8 MJ C153 RED L/A	
			10 EA.	12X10 MJ C153 RED L/A	
			10 EA.	12X4 MJ C153 RED L/A	
			10 EA.	12X6 MJ C153 RED L/A	
			10 EA.	12X8 MJ C153 RED L/A	
			10 EA.	16X12 MJ C153 RED L/A	
			10 EA.	16X6 MJ C153 RED L/A	
			10 EA.	16X8 MJ C153 RED L/A	
			10 EA.	4X3 MJ C153 RED L/A	
			10 EA.	6X3 MJ C153 RED L/A	
			10 EA.	6X4 MJ C153 RED L/A	
			10 EA.	8X4 MJ C153 RED L/A	
			10 EA.	8X6 MJ C153 RED L/A	
			10 EA.	10 MJ C153 SLD CAP L/A	
			10 EA.	12 MJ C153 SLD CAP L/A	
			10 EA.	16 MJ C153 SLD CAP L/A	
			10 EA.	3 MJ C153 SLD CAP L/A	
			10 EA.	4 MJ C153 SLD CAP L/A	
			10 EA.	6 MJ C153 SLD CAP L/A	
			10 EA.	8 MJ C153 SLD CAP L/A	
			10 EA.	10X4 SEMJ C153 RED L/A	
			10 EA.	10X6 SEMJ C153 RED L/A	
			10 EA.	10X8 SEMJ C153 RED L/A	
			10 EA.	12X10 SEMJ C153 RED L/A	
			10 EA.	12X4 SEMJ C153 RED L/A	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	12X6 SEMJ C153 RED L/A	
			10 EA.	12X8 SEMJ C153 RED L/A	
			10 EA.	12X8 SEMJ C153 RED L/A	
			10 EA.	16X10 SEMJ C153 RED L/A	
			10 EA.	16X12 SEMJ C153 RED L/A	
			10 EA.	16X8 SEMJ C153 RED L/A	
			10 EA.	4X3 SEMJ C153 RED L/A	
			10 EA.	6X3 SEMJ C153 RED L/A	
			10 EA.	6X4 SEMJ C153 RED L/A	
			10 EA.	8X4 SEMJ C153 RED L/A	
			10 EA.	8X6 SEMJ C153 RED L/A	
			10 EA.	6X13 MJ C153 SWVL HYD ADPT	
			10 EA.	10 MJ C153 SLD PLUG	
			10 EA.	12 MJ C153 SLD PLUG	
			10 EA.	16 MJ C153 SLD PLUG	
			10 EA.	24 MJ C153 SLD PLUG	
			10 EA.	3 MJ C153 SLD PLUG	
			10 EA.	4 MJ C153 SLD PLUG	
			10 EA.	6 MJ C153 SLD PLUG	
			10 EA.	8 MJ C153 SLD PLUG	
			10 EA.	10X6 MJ C153 SWVL TEE L/A	
			10 EA.	12X6 MJ C153 SWVL TEE L/A	
			10 EA.	16X6 MJ C153 SWVL TEE L/A	
			10 EA.	6 MJ C153 SWVL TEE L/A	
			10 EA.	8 MJ C153 SWVL TEE L/A	
			10 EA.	8X6 MJ C153 SWVL TEE L/A	
			10 EA.	10X2 MJ C153 TAP CAP L/A	
			10 EA.	12X2 MJ C153 TAP CAP L/A	
			10 EA.	14X2 MJ C153 TAP CAP L/A	
			10 EA.	16X2 MJ C153 TAP CAP L/A	
			10 EA.	20X2 MJ C153 TAP CAP L/A	
			10 EA.	3X2 MJ C153 TAP CAP L/A	
			10 EA.	4X2 MJ C153 TAP CAP L/A	
			10 EA.	4X3 MJ C153 TAP CAP L/A	
			10 EA.	6X2 MJ C153 TAP CAP L/A	
			10 EA.	6X4 MJ C153 TAP CAP L/A	
			10 EA.	8X2 MJ C153 TAP CAP L/A	
			10 EA.	8X3 MJ C153 TAP CAP L/A	
			10 EA.	10 MJ C153 TEE L/A	
			10 EA.	10X4 MJ C153 TEE L/A	
			10 EA.	10X6 MJ C153 TEE L/A	
			10 EA.	10X8 MJ C153 TEE L/A	
			10 EA.	12 MJ C153 TEE L/A	
			10 EA.	12X10 MJ C153 TEE L/A	
			10 EA.	12X4 MJ C153 TEE L/A	
			10 EA.	12X6 MJ C153 TEE L/A	
			10 EA.	12X8 MJ C153 TEE L/A	
			10 EA.	16 MJ C153 TEE L/A	
			10 EA.	3 MJ C153 TEE L/A	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	4 MJ C153 TEE L/A	
			10 EA.	4X3 MJ C153 TEE L/A	
			10 EA.	6 MJ C153 TEE L/A	
			10 EA.	6X3 MJ C153 TEE L/A	
			10 EA.	6X4 MJ C153 TEE L/A	
			10 EA.	8 MJ C153 TEE L/A	
			10 EA.	8X3 MJ C153 TEE L/A	
			10 EA.	8X4 MJ C153 TEE L/A	
			10 EA.	8X6 MJ C153 TEE L/A	
			10 EA.	10X2 MJ C153 TAP PLUG	
			10 EA.	12X2 MJ C153 TAP PLUG	
			10 EA.	16X2 MJ C153 TAP PLUG	
			10 EA.	3X2 MJ C153 TAP PLUG	
			10 EA.	4X2 MJ C153 TAP PLUG	
			10 EA.	6X2 MJ C153 TAP PLUG	
			10 EA.	8X2 MJ C153 TAP PLUG	
			10 EA.	3 MJ C153 WYE L/A	
			10 EA.	4 MJ C153 WYE L/A	
			10 EA.	4X3 MJ C153 WYE L/A	
			10 EA.	6 MJ C153 WYE L/A	
			10 EA.	6X4 MJ C153 WYE L/A	
			10 EA.	8 MJ C153 WYE L/A	
			10 EA.	8X4 MJ C153 WYE L/A	
			10 EA.	8X6 MJ C153 WYE L/A	
				GRAND TOTAL (UNIT COST)	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
SECTION 7					
****FLANGE FITTINGS****					
			10 EA.	10 DI 125# BLIND FLANGE	
			10 EA.	12 DI 125# BLIND FLANGE	
			10 EA.	3 DI 125# BLIND FLANGE	
			10 EA.	4 DI 125# BLIND FLANGE	
			10 EA.	6 DI 125# BLIND FLANGE	
			10 EA.	8 DI 125# BLIND FLANGE	
			10 EA.	2 DI 125# THRD COMP FLNG F/ STL	
			10 EA.	3 DI 125# THRD COMP FLNG F/ STL	
			10 EA.	4 DI 125# THRD COMP FLNG F/ STL	
			10 EA.	6 DI 125# THRD COMP FLNG F/ STL	
			10 EA.	10 DI 125# FLANGE 45 BEND	
			10 EA.	12 DI 125# FLANGE 45 BEND	
			10 EA.	3 DI 125# FLANGE 45 BEND	
			10 EA.	4 DI 125# FLANGE 45 BEND	
			10 EA.	6 DI 125# FLANGE 45 BEND	
			10 EA.	8 DI 125# FLANGE 45 BEND	
			10 EA.	10 DI 125# FLANGE 90 BEND	
			10 EA.	12 DI 125# FLANGE 90 BEND	
			10 EA.	16 DI 125# FLANGE 90 BEND	
			10 EA.	3 DI 125# FLANGE 90 BEND	
			8 EA.	4 DI 125# FLANGE 90 BEND	
			8 EA.	6 DI 125# FLANGE 90 BEND	
			6 EA.	8 DI 125# FLANGE 90 BEND	
			10 EA.	10X8 DI 125# FLANGE CONC RED	
			10 EA.	4X3 DI 125# FLANGE CONC RED	
			10 EA.	6X4 DI 125# FLANGE CONC RED	
			10 EA.	8X6 DI 125# FLANGE CONC RED	
			10 EA.	10 DI 125# FLANGE TEE	
			10 EA.	3 DI 125# FLANGE TEE	
			10 EA.	4 DI 125# FLANGE TEE	
			10 EA.	4X3 DI 125# FLANGE TEE	
			10 EA.	6 DI 125# FLANGE TEE	
			10 EA.	6X4 DI 125# FLANGE TEE	
			10 EA.	8 DI 125# FLANGE TEE	
			10 EA.	8X4 DI 125# FLANGE TEE	
			10 EA.	8X6 DI 125# FLANGE TEE	
			10 EA.	10X2 DI 125# TAP BLIND FLANGE	
			10 EA.	3X2 DI 125# TAP BLIND FLANGE	
			10 EA.	4X2 DI 125# TAP BLIND FLANGE	
			10 EA.	6X2 DI 125# TAP BLIND FLANGE	
			10 EA.	6X3 DI 125# TAP BLIND FLANGE	
			10 EA.	8X2 DI 125# TAP BLIND FLANGE	
GRAND TOTAL (UNIT COST)					
SECTION 8					
****GATE VALVES****					
			10 EA.	4 FLANGE RW DI OL GATE VALVE	
			10 EA.	4 MJ RW DI OL GATE VALVE L/A	
			10 EA.	4 MJ RW DI OL TAPN VALVE L/A	
			10 EA.	6 FLANGE RW DI OL GATE VALVE	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	6 MJ RW DI OL GATE VALVE L/A	
			10 EA.	8 FLANGE RW DI OL GATE VALVE	
			10 EA.	8 MJ RW DI OL GATE VALVE W/A	
			10 EA.	8 MJ RW DI OL TAPN VALVE L/A	
			10 EA.	10 FLANGE RW DI OL GATE VALVE	
			10 EA.	10 MJ RW DI OL GATE VALVE L/A	
			10 EA.	12 MJ RW DI OL GATE VALVE L/A	
			10 EA.	16 MJ RW DI OL GATE VALVE L/A	
			10 EA.	2 THRD RW OL GATE VALVE	
			10 EA.	3 FLANGE RW OL GATE VALVE	
			10 EA.	3 MJ RW OL GATE VALVE L/A	
				GRAND TOTAL (UNIT COST)	
SECTION 9				**** <i>METER BOXES</i> ****	
			100 EA.	QUAZITE PG1118BB12 BOX	
			100 EA.	QUAZITE PG1118WAPI COVER	
			100 EA.	CDR WB00-1118-12 BOX	
			100 EA.	CDR WC00-1118-2C COVER	
			100 EA.	QUAZITE PG1730BB12 BOX	
			100 EA.	QUAZITE PG1730WAPI COVER	
			100 EA.	CDR WB-1730-12 BOX	
			100 EA.	CDR WC00-1730-2C COVER	
			100 EA.	QUAZITE PG1015WAR.1	
			100 EA.	CDR R-1071-2C	
			100 EA.	QUAZITE PG1730WAPI	
			100 EA.	CDR WC00-1730-2C	
				GRAND TOTAL (UNIT COST)	
SECTION 10				**** <i>HYDRANTS AND ASSEMBLIES</i> ****	
			10 EA.	5-1/4 VO B84B HYD 3'6" BURY	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	5-1/4 VO B84B HYD 4'0 BURY OL L/A	
			10 EA.	5-1/4 VO B84B HYD 4'6 BURY OL L/A	
			10 EA.	6 HYD EXT 4-1/2 MK73/ 5-1/4 B84B	
			10 EA.	12 HYD EXT 4-1/2 MK73 /5-1/4 B84B	
			10 EA.	18 HYD EXT 4-1/2 MK73 /5-1/4 B84B	
			10 EA.	24 HYD EXT 4-1/2 MK73 /5-1/4 B84B	
			10 EA.	30 HYD EXT 4-1/2 MK73 /5-1/2 B84B	
			10 EA.	MUELLER CENTURION A-423	
			10 EA.	KENNEDY K-81A	
			10 EA.	AMERICAN DARLING LCU B84B	
			10 EA.	CLOW MEDALLION	
			10 EA.	U.S. PIPE METROPOLITAN 250 MODEL 94	
				GRAND TOTAL (UNIT COST)	
				****METER ASSEMBLY PARTS****	
			10 EA.	3/4 INS STIFFENER F/ CTS	
			10 EA.	1 INS STIFFENER F/ CTS	
			10 EA.	1-1/2 INS STIFFENER F/ CTS	
			10 EA.	2 INS STIFFENER F/ CTS	
			10 EA.	3/4 FIP X FIP BALL CURB ST LW	
			10 EA.	3/4 FIP X FIP BALL CURB B ST LW	
			10 EA.	1 FIP X FIP BALL CURB ST LW	
			10 EA.	1 FIP X FIP BALL CURB ST LW	
			10 EA.	1-1/2 FIP X FIP BALL CURB ST LW	
			10 EA.	2 FIP X FIP BALL CURB ST LW	
			10 EA.	3/4 CTS COMP X FIP BALL CURB LW	
			10 EA.	1 CTS COMP X 3/4 FIP BALL CURB LW	
			10 EA.	1 CTS COMP X FIP BALL CURB LW	
			10 EA.	1 CTS COMP X FIP BALL CURB LW	
			10 EA.	1-1/2 CTS COMP X FIP BALL CURB LW	
			10 EA.	2 CTS COMP X FIP BALL CURB LW	
			10 EA.	2 CTS GRIP COMP X FIP BALL CURB	
			10 EA.	3/4 CTS COMP X MTR STR BV LW	
SECTION 11					

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	3/4 CTS GRIP X MTR BALL CURB LW	
			10 EA.	1 CTS COMP X 3/4 MTR BALL CURB LW	
			10 EA.	1 CTS X 3/4 GRIP MTR BALL CURB LW	
			10 EA.	1 CTS COMP X MTR STR BALL CURB LW	
			10 EA.	1 CTS GRIP X MTR BALL CURB LW	
			10 EA.	1 CTS COMP X MTR STR BALL CURB LW	
			10 EA.	3/4 CTS X CTS SERVICE VALVE	
			10 EA.	1 CTS COMPXCOMP BALL CURB ST	
			10 EA.	1-1/2 FIP X MTR STR BV LW	
			10 EA.	2 FIP X MTR STR BV LW	
			10 EA.	1-1/2 PVC COMP X MTR FLNG BALL CURB	
			10 EA.	2 PVC COMP X MTR FLANGE STR BV	
			10 EA.	1-1/2 FIP X MTR FLANGE ANG BV	
			10 EA.	3/4 FCT X CTS GRIP COUPLING	
			10 EA.	3/4 FIP X CTS COMP COUPLING	
			10 EA.	3/4 FIP X CTS GRIP COMP COUPLING	
			10 EA.	3/4 FIP X 1 CTS COMP COUPLING	
			10 EA.	1 FIP X CTS COMP COUPLING	
			10 EA.	1 FIP X CTS GRIP COMP COUPLING	
			10 EA.	1-1/2 FIP X CTS COMP COUPLING	
			10 EA.	1-1/2 FIP X 2 CPJ COUPLING	
			10 EA.	2 FIP X CTS COMP COUPLING	
			10 EA.	2 FIP X CTS GRIP COMP COUPLING	
			10 EA.	3/4X2-1/2 MIP STR MTR COUPLING	
			10 EA.	1X2-5/8 MIP STR MTR COUPLING	
			10 EA.	1-1/2X2-7/8 MIP STR MTR COUPLING	
			10 EA.	2X3-1/16 MIP STR MTR COUPLING	
			10 EA.	3/4 CTS COMP X CTS COMP COUPLING	
			10 EA.	3/4 CTS X CTS GRIP COMP COUPLING	
			10 EA.	3/4 CTS COMP X 1 CTS COMP COUPLING	
			10 EA.	3/4 CTS X 1 CTS GRIP COUPLING	
			10 EA.	1 CTS COMP X CTS COMP COUPLING	
			10 EA.	1 CTS X CTS COMP COUPLING	
			10 EA.	1-1/2 CTS COMP X CTS COMP COUPLING	
			10 EA.	2 CTS COMP X CTS COMP COUPLING	
			10 EA.	1 CTS X PVC COMP COUPLING	
			10 EA.	1 PE COMP X PE COMP COUPLING	
			10 EA.	2 PVC X PVC COMP COUPLING	
			10 EA.	3/4 MIP X CTS COMP COUPLING	
			10 EA.	3/4 MIP X CTS GRIP COMP COUPLING	
			10 EA.	3/4 MIP X 1 CTS COMP COUPLING	
			10 EA.	1 MIP X 3/4 CTS COMP COUPLING	
			10 EA.	1 MIP X 1 CTS COMP COUPLING	
			10 EA.	1 MIP X 1 CTS GRIP COMP COUPLING	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	1-1/2 MIP X CTS COMP COUPLING	
			10 EA.	2 MIP X CTS COMP COUPLING	
			10 EA.	2 MIP X CTS COMP COUPLING	
			10 EA.	2 MIP X CTS GRIP COMP COUPLING	
			10 EA.	1 MIP X PE COMP COUPLING	
			10 EA.	1 MIP X PVC COMP COUPLING	
			10 EA.	2 MIP X IPS COMP COUPLING	
			10 EA.	1-1/2 FLANGE X 1-1/2 FIP BRZ MTR FLANGE	
			10 EA.	2 FIP BRZ MTR FLANGE	
			10 EA.	2 FIP BRZ MTR FLANGE	
			10 EA.	2 LOCK PK MTR COUPLING	
			10 EA.	5/8X3/4 MTR YOKE EXP CONN	
			10 EA.	5/8X3/4 MTR YOKE EXP CONN	
			10 EA.	1 CC X CTS COMP CORP ST	
			10 EA.	3/4 MIP X CTS COMP CORP ST	
			10 EA.	3/4 MIP X CTS GRIP CORP ST	
			10 EA.	1 MIP X CTS COMP CORP ST	
			10 EA.	1 MIP X CTS GRIP CORP ST	
			10 EA.	1 MIP X PE COMP CORP ST	
			10 EA.	1 MIP X PVC CORP ST	
			10 EA.	3/4 MIP X FIP CORP ST	
			10 EA.	1 MIP X FIP CORP ST	
			10 EA.	3/4 MIP X MIP CORP ST	
			10 EA.	1 MIP X MIP CORP ST	
			10 EA.	1 MIP X CTS COMP BALLCORP ST	
			10 EA.	1-1/2 MIP X CTS COMP BALLCORP ST	
			10 EA.	1-1/2 MIP X CTS COMP BALLCORP ST	
			10 EA.	2 MIP X CTS COMP BALLCORP ST	
			10 EA.	2 MIP X CTS COMP BALLCORP ST	
			10 EA.	1 MIP X PVC COMP BALLCORP ST	
			10 EA.	1-1/2 MIP X PVC COMP BALLCORP ST	
			10 EA.	2 MIP X PVC COMP BALLCORP ST	
			10 EA.	1 MIP X FIP BALLCORP ST	
			10 EA.	1-1/2 MIP X FIP BALLCORP ST	
			10 EA.	2 MIP X FIP BALLCORP ST	
			10 EA.	2 MIP X FIP BALLCORP ST	
			10 EA.	1 MIP X MIP BALLCORP ST	
			10 EA.	1-1/2 MIP X MIP BALLCORP ST	
			10 EA.	3/4 CTS COMP 90 BEND	
			10 EA.	2 CTS COMP 90 BEND	
			10 EA.	3/4 CTS COMP TEE	
			10 EA.	3/4 CTS GRIP TEE	
			10 EA.	1 CTS COMP TEE	
			10 EA.	1-1/2 CTS COMP TEE	
			10 EA.	2 CTS COMP TEE	
			10 EA.	1 PE COMP TEE	
			10 EA.	2X1 FIP MULTI SERVICE WYE	
			10 EA.	1X3/4 CTS COMP WYE BRCH	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	1X3/4 CTS GRIP WYE BRCH	
			10 EA.	1X3/4 CTS GRIP WYE BRCH	
			10 EA.	1-1/2X1 CTS COMP WYE BRCH	
			10 EA.	1-1/2X1 CTS COMP WYE BRCH	
			10 EA.	2X1 CTS COMP WYE BRCH	
			10 EA.	10X15 SS REP CLMP 10.64-11.04	
			10 EA.	12X15 SS REP CLMP 13.10-13.50	
			10 EA.	2X7-1/2 SS REP CLMP 2.35-2.63	
			10 EA.	3X10 SS REP CLMP 3.46-3.70	
			10 EA.	4X10 SS REP CLMP 4.45-4.73	
			10 EA.	4X15 SS REP CLMP 4.45-4.73	
			10 EA.	4X15 SS REP CLMP 4.74-5.14	
			10 EA.	6X15 SS REP CLMP 6.56-6.96	
			10 EA.	6X15 SS REP CLMP 6.84-7.24	
			10 EA.	8X15 SS REP CLMP 8.54-8.94	
			10 EA.	8X12-1/2 SS REP CLMP 8.99-9.39	
			10 EA.	8X15 SS REP CLMP 8.99-9.39	
			10 EA.	10X3/4 IP DBL STRP SDL IPS PVC	
			10 EA.	10X3/4 IP DBL STRP SDL PVC DI	
			10 EA.	10X1 IP DBL STRP SDL PVC DI	
			10 EA.	10X1-1/2 IP DBL STRP SDL PVC DI	
			10 EA.	10X2 IP DBL STRP SDL PVC DI	
			10 EA.	10X1 IP DBL STRP SDL DI AC	
			10 EA.	10X2 IP DBL STRP SDL DI AC	
			10 EA.	12X3/4 IP DBL STRP SDL PVC DI	
			10 EA.	12X1 IP DBL STRP SDL PVC DI	
			10 EA.	12X1-1/2 IP DBL STRP SDL PVC DI	
			10 EA.	12X2 IP DBL STRP SDL PVC DI	
			10 EA.	12X1 IP DBL STRP SDL DI AC	
			10 EA.	12X2 IP DBL STRP SDL DI AC	
			10 EA.	14X1 IP DBL STRP SDL PVC DI	
			10 EA.	16X1 IP DBL STRP SDL DI	
			10 EA.	16X2 IP DBL STRP SDL DI	
			10 EA.	2X1 IP DBL STRP SDL IPS PVC	
			10 EA.	3X1 IP DBL STRP SDL IPS PVC	
			10 EA.	3X2 IP DBL STRP SDL IPS PVC	
			10 EA.	4X1 IP DBL STRP SDL IPS PVC	
			10 EA.	4X1-1/2 IP DBL STRP SDL IPS PVC	
			10 EA.	4X3/4 IP DBL STRP SDL PVC DI	
			10 EA.	4X1 IP DBL STRP SDL PVC DI	
			10 EA.	4X1-1/2 IP DBL STRP SDL PVC DI	
			10 EA.	4X2 IP DBL STRP SDL PVC DI	
			10 EA.	4X1 IP DBL STRP SDL DI AC	
			10 EA.	4X2 IP DBL STRP SDL DI AC	
			10 EA.	6X3/4 IP DBL STRP SDL PVC DI	
			10 EA.	6X1 IP DBL STRP SDL PVC DI	
			10 EA.	6X1-1/2 IP DBL STRP SDL PVC DI	
			10 EA.	6X2 IP DBL STRP SDL PVC DI	
			10 EA.	6X1 IP DBL STRP SDL DI AC	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	6X2 IP DBL STRP SDL DI AC	
			10 EA.	6X2 IP DBL STRP SDL DI AC	
			10 EA.	6X2 IP DBL STRP SDL DI AC	
			10 EA.	8X1 IP DBL STRP SDL IPS PVC	
			10 EA.	8X1-1/2 IP DBL STRP SDL IPS PVC	
			10 EA.	8X2 IP DBL STRP SDL IPS PVC	
			10 EA.	8X1 CC DBL STRP SDL PVC DI	
			10 EA.	8X3/4 IP DBL STRP SDL PVC DI	
			10 EA.	8X1 IP DBL STRP SDL PVC DI	
			10 EA.	8X1-1/2 IP DBL STRP SDL PVC DI	
			10 EA.	8X2 IP DBL STRP SDL PVC DI	
			10 EA.	8X1 IP DBL STRP SDL DI AC	
			10 EA.	8X2 IP DBL STRP SDL DI AC	
			10 EA.	8X2 IP DBL STRP SDL DI AC	
			10 EA.	3/4 BRZ 125# IPS CHK VALVE	
			10 EA.	1 BRZ 125# IPS CHK VALVE	
			10 EA.	2 BRZ 125# IPS CHK VALVE	
			10 EA.	3/4 PVC IPS COMP COUPLING	
			10 EA.	1 PVC IPS COMP COUPLING	
			10 EA.	1-1/4 PVC IPS COMP COUPLING	
			10 EA.	1-1/2 PVC IPS COMP COUPLING	
			10 EA.	2 PVC IPS COMP COUPLING	
			10 EA.	2-1/2 PVC IPS COMP COUPLING	
			10 EA.	3 PVC IPS COMP COUPLING	
			10 EA.	4 PVC IPS COMP COUPLING	
			10 EA.	6 PVC IPS COMP COUPLING	
			10 EA.	3/4 SW PVC IPC BV	
			10 EA.	1 SW PVC IPC BV	
			10 EA.	1-1/2 SW PVC IPC BV	
			10 EA.	2 SW PVC IPC BV	
			10 EA.	3/4 BRZ 200# IPS WOG GATE VALVE	
			10 EA.	1 BRZ 200# IPS WOG GATE VALVE	
			10 EA.	1-1/2 BRZ 200# IPS WOG GATE VALVE	
			10 EA.	2 BRZ 200# IPS WOG GATE VALVE	
			10 EA.	3 BRZ 200# IPS WOG GATE VALVE	
			10 EA.	4 BRZ 200# IPS WOG GATE VALVE	
			10 EA.	1/2 BRZ IPS HOSE BIBB	
			10 EA.	3/4 BRZ IPS HOSE BIBB	
			10 EA.	1/2 BRZ 400# WOG IPS BV	
			10 EA.	3/4 BRZ 400# WOG IPS BV	
			10 EA.	1 BRZ 400# WOG IPS BV	
			10 EA.	1-1/4 BRZ 400# WOG IPS BV	
			10 EA.	1-1/2 BRZ 400# WOG IPS BV	
			10 EA.	2 BRZ 400# WOG IPS BV	
			10 EA.	4 BRZ 400# WOG IPS BV	
				GRAND TOTAL (UNIT COST)	
SEWER					

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST	
			10 EA.	10 CI FLANGE NON LUB PLUG VALVE		
			6 EA.	4 CI FLANGE NON LUB PLUG VALVE		
			6 EA.	6 CI FLANGE NON LUB PLUG VALVE		
			4 EA.	8 CI FLANGE NON LUB PLUG VALVE		
			1 EA.	16 MJ NON LUB PLUG VALVE		
			10 EA.	10 MJ NON LUB PLUG VALVE L/A		
			2 EA.	12 MJ NON LUB PLUG VALVE L/A		
			10 EA.	3 MJ NON LUB PLUG VALVE L/A		
			3 EA.	4 MJ NON LUB PLUG VALVE L/A		
			3 EA.	6 MJ NON LUB PLUG VALVE L/A		
			2 EA.	8 MJ NON LUB PLUG VALVE L/A		
			1 EA.	4 CI FLANGE 3 WAY NON LUB PLUG VALVE		
			1 EA.	6 CI FLANGE 3 WAY NON LUB PLUG VALVE		
				GRAND TOTAL (UNIT COST)		
SECTION 13				**TRANSITION FLEXIBLE COUPLINGS**		
			4 EA.	10 CLAY X 10 CI PVC COUPLING		
			4 EA.	12 CLAY X 12 CI PVC COUPLING		
			20 EA.	4 CLAY X 4 CI PVC COUPLING		
			6 EA.	4 CLAY X 6 CI PVC COUPLING		
			15 EA.	6 CLAY X 4 CI PVC COUPLING		
			15 EA.	6 CLAY X 6 CI PVC COUPLING		
			6 EA.	8 CLAY X 6 CI PVC COUPLING		
			6 EA.	8 CLAY X 8 CI PVC COUPLING		
			8 EA.	4 AC DI X 4 CI PVC COUPLING		
			8 EA.	6 AC DI X 6 CI PVC COUPLING		
			8 EA.	8 AC DI X 8 CI PVC COUPLING		
			4 EA.	10 CI PVC X 10 CI PVC COUPLING		
			4 EA.	12 CI PVC X 12 CI PVC COUPLING		
			8 EA.	3 CI PVC X 3 CI PVC COUPLING		
			6 EA.	4 CI PVC X 3 CI PVC COUPLING		
			50 EA.	4 CI PVC X 4 CI PVC COUPLING		
			6 EA.	6 CI PVC X 4 CI PVC COUPLING		
			6 EA.	6 CI PVC X 6 CI PVC COUPLING		
			8 EA.	8 CI PVC X 6 CI PVC COUPLING		
			8 EA.	8 CI PVC X 8 CI PVC COUPLING		
			8 EA.	6 CLAY X 6 CI PVC COUPLING		
			6 EA.	8 CI PVC X 8 CI PVC COUPLING		
					GRAND TOTAL (UNIT COST)	
	SECTION 14				****SEWER FITTINGS****	
			12 EA.	4 PVC SWR REC THRD CO PLUG		
			12 EA.	6 PVC SWR REC THRD CO PLUG		
			12 EA.	4 PVC SWR SPGT X DWV HUB ADAPTOR		
			12 EA.	6 PVC SWR SPGT X DWV HUB ADAPTOR		
		10 EA.	8 PVC SWR SPGT X DWV HUB ADAPTOR			

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			8 EA.	4 PVC SWR HUB FEM CO ADAPTOR	
			8 EA.	6 PVC SWR HUB FEM CO ADAPTOR	
			10 EA.	8 PVC SWR HUB FEM CO ADAPTOR	
			12 EA.	4 PVC SWR RH THRD CO PLUG	
			12 EA.	6 PVC SWR RH THRD CO PLUG	
			10 EA.	8 PVC SWR RH THRD CO PLUG	
			10 EA.	10 PVC SWR PLUG	
			10 EA.	12 PVC SWR PLUG	
			10 EA.	15 PVC SWR PLUG	
			12 EA.	4 PVC SWR PLUG	
			12 EA.	6 PVC SWR PLUG	
			12 EA.	6 PVC SWR PLUG	
			12 EA.	8 PVC SWR PLUG	
			10 EA.	10X4 PVC SWR SXG BUSHING	
			10 EA.	10X6 PVC SWR SXG BUSHING	
			10 EA.	10X8 PVC SWR SXG BUSHING	
			10 EA.	12X10 PVC SWR SXG BUSHING	
			10 EA.	12X6 PVC SWR SXG BUSHING	
			10 EA.	12X8 PVC SWR SXG BUSHING	
			10 EA.	6X4 PVC SWR SXG BUSHING	
			10 EA.	6X4 PVC SWR SXG BUSHING	
			10 EA.	8X4 PVC SWR SXG BUSHING	
			10 EA.	8X6 PVC SWR SXG BUSHING	
			4 EA.	4 PVC SWR TEMPORARY PLUG	
			4 EA.	6 PVC SWR TEMPORARY PLUG	
			10 EA.	8 PVC SWR TEMPORARY PLUG	
			10 EA.	6 PVC HW SWR 22-1/2 ELBOW GXG	
			15 EA.	4 PVC HW SWR GXG 45 BEND	
			15 EA.	6 PVC HW SWR GXG 45 BEND	
			15 EA.	8 PVC HW SWR GXG 45 BEND	
			10 EA.	4 PVC HW SWR GXG 90 BEND	
			10 EA.	6 PVC HW SWR GXG 90 BEND	
			10 EA.	8 PVC HW SWR GXG 90 BEND	
			25 EA.	6 PVC HW SWR GXG DBL WYE	
			25 EA.	6X4 PVC HW SWR GXG DBL WYE	
			8 EA.	6 PVC HW SWR GXG REP COUPLING	
			8 EA.	8 PVC HW SWR GXG REP COUPLING	
			25 EA.	4 PVC SWR HW 22-1/2 ELBOW SXG	
			25 EA.	6 PVC HW SWR 22-1/2 ELBOW SXG	
			25 EA.	4 PVC HW SWR GXS 45 BEND	
			15 EA.	6 PVC HW SWR GXS 45 BEND	
			10 EA.	8 PVC HW SWR GXS 45 BEND	
			10 EA.	6 PVC SWR GXS 90 BEND HVY WALL	
			10 EA.	8 PVC HW SWR GXGXG TEE	
			10 EA.	6 PVC HW SWR GXGXG TEE WYE	
			4 EA.	8 PVC HW SWR GXGXG TEE WYE	
			10 EA.	8X4 PVC HW SWR GXGXG TEE WYE	
			10 EA.	8X6 PVC HW SWR GXGXG TEE WYE	
			10 EA.	10X4 PVC HW SWR GXGXG WYE	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	12X6 PVC HW SWR GXGXG WYE	
			25 EA.	4 PVC HW SWR 45 WYE GXGXG	
			25 EA.	6 PVC HW SWR GXGXG WYE	
			25 EA.	6X4 PVC HW SWR GXGXG WYE	
			10 EA.	8 PVC HW SWR GXGXG WYE	
			10 EA.	8X4 PVC HW SWR GXGXG WYE	
			12 EA.	8X6 PVC HW SWR GXGXG WYE	
SECTION 15				GRAND TOTAL (UNIT COST)	
				EPOXY LINED FLANGE FITTINGS	
			10 EA.	4 FLANGE EPOX LINED 45 BEND	
			10 EA.	4 FLANGE EPOX LINED 90 BEND	
			10 EA.	6 FLANGE EPOX LINED 90 BEND	
			10 EA.	8 FLANGE EPOX LINED 90 BEND	
			10 EA.	6X4 FLANGE EPOX LINED CONC RED	
			10 EA.	4 FLANGE EPOX LINED TEE	
			10 EA.	6 FLANGE EPOX LINED TEE	
			10 EA.	6X4 FLANGE EPOX LINED TEE	
			10 EA.	8 FLANGE POLYLINED TEE	
			10 EA.	8X6 FLANGE POLYLINED TEE	
				GRAND TOTAL (UNIT COST)	
SECTION 16				** EPOXY LINED MECHANICAL JOINT FITTINGS**	
			6 EA.	6 MJ C153 EPOX LINED 11-1/4 L/A	
			6 EA.	10 MJ C153 EPOX LINED 22-1/2 L/A	
			6 EA.	4 MJ C153 EPOX LINED 22 L/A	
			6 EA.	6 MJ C153 EPOX LINED 22-1/2 L/A	
			6 EA.	8 MJ C153 EPOX LINED 22-1/2 L/A	
			6 EA.	10 MJ C153 EPOX LINED 45 L/A	
			6 EA.	12 MJ C153 EPOX LINED 45 L/A	
			6 EA.	16 MJ C153 EPOX LINED 45 L/A	
			6 EA.	3 MJ C153 EPOX LINED 45 L/A	
			6 EA.	4 MJ C153 EPOX LINED 45 L/A	
			6 EA.	6 MJ C153 EPOX LINED 45 L/A	
			6 EA.	8 MJ C153 EPOX LINED 45 L/A	
			6 EA.	10 MJ C153 EPOX LINED 90 L/A	
			6 EA.	12 MJ C153 EPOX LINED 90 L/A	
			6 EA.	4 MJ C153 EPOX LINED 90 L/A	
			6 EA.	6 MJ C153 EPOX LINED 90 L/A	
			6 EA.	8 MJ C153 EPOX LINED 90 L/A	
			6 EA.	12 MJ C153 EPOX LONG SLV L/A	
			6 EA.	4 MJ C153 EPOX LONG SLV L/A	
			6 EA.	6 MJ C153 EPOX LONG SLV L/A	
			6 EA.	6X4 MJ C153 EPOX LINED RED L/A	
			6 EA.	8X6 MJ C153 EPOX LINED RED L/A	
			6 EA.	4 MJ C153 EPOX LINED TEE L/A	
			6 EA.	4X3 MJ C153 EPOX LINED TEE L/A	
			6 EA.	6 MJ C153 EPOX LINED TEE	
			6 EA.	8 MJ C153 EPOX LINED TEE L/A	
			6 EA.	8X4 MJ C153 EPOX LINED TEE L/A	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			6 EA.	4 MJ C153 EPOX LINED WYE L/A	
			6 EA.	6 MJ C153 EPOX LINED WYE L/A	
			6 EA.	6X4 MJ C153 EPOX LINED WYE L/A	
			6 EA.	8 MJ C153 EPOX LINED WYE L/A	
			6 EA.	8X4 MJ C153 EPOX LINED WYE L/A	
			6 EA.	8X6 MJ C153 EPOX LINED WYE L/A	
				GRAND TOTAL (UNIT COST)	
PIPE					
SECTION 17				****SCH 40 PIPE****	
			10 EA.	1/2 X 20 FT PVC SCH40 PIPE	
			10 EA.	3/4 X 20 FT PVC SCH40 PIPE	
			10 EA.	1 X 20 FT PVC SCH40 PIPE	
			10 EA.	1-1/4 X 20 FT PVC SCH40 PIPE	
			10 EA.	1-1/2 X 20 FT PVC SCH40 PIPE	
			10 EA.	2 X 20 FT PVC SCH40 PIPE	
			10 EA.	2-1/2 X 20 FT PVC SCH40 PIPE	
			10 EA.	3 X 20 FT PVC SCH40 PIPE	
			10 EA.	4 X 20 FT PVC SCH40 PIPE	
			10 EA.	6 X 20 FT PVC SCH40 PIPE	
			10 EA.	8 X 20 FT PVC SCH40 PIPE	
				GRAND TOTAL (UNIT COST)	
SECTION 18				****SCH 80 PIPE****	
			10 EA.	1/2 X 20 FT PVC SCH80 PIPE	
			10 EA.	3/4 X 20 FT PVC SCH80 PIPE	
			10 EA.	1 X 20 FT PVC SCH80 PIPE	
			10 EA.	1-1/4 X 20 FT PVC SCH80 PIPE	
			10 EA.	1-1/2 X 20 FT PVC SCH80 PIPE	
			10 EA.	2 X 20 FT PVC SCH80 PIPE	
			10 EA.	2-1/2 X 20 FT PVC SCH80 PIPE	
			10 EA.	3 X 20 FT PVC SCH80 PIPE	
			10 EA.	4 X 20 FT PVC SCH80 PIPE	
			10 EA.	6 X 20 FT PVC SCH80 PIPE	
			10 EA.	8 X 20 FT PVC SCH80 PIPE	
				GRAND TOTAL (UNIT COST)	
SECTION 19				****PVC PIPE****	
			8 EA.	10 C900 DR14 CL200 PVC GJ PIPE	
			8 EA.	12 C900 DR14 CL200 PVC GJ PIPE	
			8 EA.	4 C900 DR14 CL200 PVC GJ PIPE	
			8 EA.	6 C900 DR14 CL200 PVC GJ PIPE	
			8 EA.	8 C900 DR14 CL200 PVC GJ PIPE	
			8 EA.	10 C900 DR18 CL150 PVC GREEN PIPE	
			8 EA.	12 C900 DR18 CL150 PVC GREEN PIPE	
			8 EA.	20 C900 DR18 CL150 PVC GREEN PIPE	
			8 EA.	24 C900 DR18 CL150 PVC GREEN PIPE	
			8 EA.	30 C900 DR18 CL150 PVC GREEN PIPE	
			8 EA.	16 C905 DR18 CL235 PVC GREEN PIPE	
			8 EA.	4 C900 DR18 CL150 PVC GREEN PIPE	
			8 EA.	6 C900 DR18 CL150 PVC GREEN PIPE	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			8 EA.	8 C900 DR18 CL150 PVC GREEN PIPE	
			10 EA.	10 C900 DR18 CL150 PVC GJ PIPE	
			10 EA.	12 C900 DR18 CL150 PVC GJ PIPE	
			10 EA.	14 C905 DR18 CL235 PVC GJ PIPE	
			10 EA.	16 C905 DR18 CL235 PVC GJ PIPE	
			10 EA.	18 C905 DR18 CL235 PVC GJ PIPE	
			10 EA.	20 C905 DR18 CL235 PVC GJ PIPE	
			10 EA.	4 C900 DR18 CL150 PVC GJ PIPE	
			10 EA.	10 C900 DR18 CL150 PVC PURP PIPE	
			10 EA.	12 C900 DR18 CL150 PVC PURP PIPE	
			10 EA.	16 C905 DR18 CL235 PVC PURP PIPE	
			10 EA.	20 C905 DR18 CL235 PVC PURP PIPE	
			10 EA.	4 C900 DR18 CL150 PVC PURP PIPE	
			10 EA.	6 C900 DR18 CL150 PVC PURP PIPE	
			10 EA.	8 C900 DR18 CL150 PVC PURP PIPE	
			10 EA.	6 C900 DR18 CL150 PVC GJ PIPE	
			10 EA.	8 C900 DR18 CL150 PVC GJ PIPE	
				GRAND TOTAL (UNIT COST)	
				**** <i>HDPE PIPE AND FITTINGS</i> ****	
				<i>PIPES</i>	
			10 EA.	2" DIAMETER	
			10 EA.	3" DIAMETER	
			10 EA.	4" DIAMETER	
			10 EA.	6" DIAMETER	
			10 EA.	8" DIAMETER	
			10 EA.	10" DIAMETER	
			10 EA.	12" DIAMETER	
				<i>FITTINGS</i>	
			10 EA.	2" DIAMETER IPS BACKUP RING	
			10 EA.	3" DIAMETER IPS BACKUP RING	
			10 EA.	4" DIAMETER IPS BACKUP RING	
			10 EA.	6" DIAMETER IPS BACKUP RING	
			10 EA.	8" DIAMETER IPS BACKUP RING	
			10 EA.	10" DIAMETER IPS BACKUP RING	
			10 EA.	12" DIAMETER IPS BACKUP RING	
			10 EA.	2" IPS COUPLING	
			10 EA.	3" IPS COUPLING	
			10 EA.	4" IPS COUPLING	
			10 EA.	6" IPS COUPLING	
			10 EA.	10" IPS COUPLING	
			10 EA.	12" IPS COUPLING	
			10 EA.	4" DIPS BUTT 90 DEGREE ELBOW	
			10 EA.	6" DIPS BUTT 90 DEGREE ELBOW	
			10 EA.	8" DIPS BUTT 90 DEGREE ELBOW	
			10 EA.	10" DIPS BUTT 90 DEGREE ELBOW	
			10 EA.	12" DIPS BUTT 90 DEGREE ELBOW	
			10 EA.	4" DIPS BUTT 45 DEGREE ELBOW	
			10 EA.	6" DIPS BUTT 45 DEGREE ELBOW	
			10 EA.	8" DIPS BUTT 45 DEGREE ELBOW	

SECTION 20

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	10" DIPS BUTT 45 DEGREE ELBOW	
			10 EA.	12" DIPS BUTT 45 DEGREE ELBOW	
			10 EA.	4" DIPS BUTT TEES	
			10 EA.	6" DIPS BUTT TEES	
			10 EA.	8" DIPS BUTT TEES	
			10 EA.	10" DIPS BUTT TEES	
			10 EA.	12" DIPS BUTT TEES	
			10 EA.	2" IPS FLANGE ADAPTER	
			10 EA.	3" IPS FLANGE ADAPTER	
			10 EA.	4" DIPS FLANGE ADAPTER	
			10 EA.	6" DIPS FLANGE ADAPTER	
			10 EA.	8" DIPS FLANGE ADAPTER	
			10 EA.	10" DIPS FLANGE ADAPTER	
			10 EA.	12" DIPS FLANGE ADAPTER	
			10 EA.	3" DIPS MJ ADAPTER	
			10 EA.	4" DIPS MJ ADAPTER	
			10 EA.	6" DIPS MJ ADAPTER	
			10 EA.	8" DIPS MJ ADAPTER	
			10 EA.	10" DIPS MJ ADAPTER	
			10 EA.	12" DIPS MJ ADAPTER	
				GRAND TOTAL (UNIT COST)	
SECTION 21				**** GRAVITY SEWER PIPE****	
			26 EA.	10X13 SDR26 HW PVC GJ SWR PIPE	
			26 EA.	12X13 SDR26 HW PVC GJ SWR PIPE	
			26 EA.	15X13 SDR26 HW PVC GJ SWR PIPE	
			26 EA.	18X13 SDR26 HW PVC GJ SWR PIPE	
			26 EA.	4X13 SDR26 HW PVC GJ SWR PIPE	
			26 EA.	6X13 SDR26 HW PVC GJ SWR PIPE	
			26 EA.	8X13 SDR26 HW PVC GJ SWR PIPE	
			26 EA.	20X13 SDR26 HW PVC GJ SWR PIPE	
			26 EA.	24X13 SDR26 HW PVC GJ SWR PIPE	
			26 EA.	36X13 SDR26 HW PVC GJ SWR PIPE	
				GRAND TOTAL (UNIT COST)	
SECTION 22				****DUCTILE IRON PIPE****	
			10 EA.	14 CL250 DUCTILE IRON PIPE	
			10 EA.	16 CL250 DUCTILE IRON PIPE	
			10 EA.	20 CL250 DUCTILE IRON PIPE	
			10 EA.	24 CL250 DUCTILE IRON PIPE	
			10 EA.	30 CL250 DUCTILE IRON PIPE	
			20 EA.	10 CL250 DUCTILE IRON PIPE	
			20 EA.	12 CL250 DUCTILE IRON PIPE	
				GRAND TOTAL (UNIT COST)	
				MISCELLANEOUS	
SECTION 23			100 EA.	S.S. MANHOLE INFLOW PROTECTORS	
			8 EA.	MANHOLE COVER WITH RING	
			10 EA.	4 MIP X FIP ULFM CHK VALVE	
			10 EA.	4 MIP X FIP ULFM CHK VALVE	
			10 EA.	4X2-1/2X2-1/2 ANG SIAMES E CONN	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	6X2-1/2X2-1/2 ANG SIAMES E CONN	
			10 EA.	4X2-1/2X2-1/2 STR SIAMES E CONN	
			10 EA.	10 SS FLANGE ACC PKG	
			10 EA.	12 SS FLANGE ACC PKG	
			10 EA.	14 SS FLANGE ACC PKG	
			10 EA.	16 SS FLANGE ACC PKG	
			10 EA.	20 SS FLANGE ACC PKG	
			10 EA.	2 SS FLANGE ACC PKG	
			10 EA.	4 SS FLANGE ACC PKG	
			10 EA.	6 SS FLANGE ACC PKG	
			10 EA.	8 SS FLANGE ACC PKG	
			10 EA.	1 GAL REG LUB	
			10 EA.	1 QT REG LUB	
			10 EA.	4 STR WING NUT TEST PLUG	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	6 STR WING NUT TEST PLUG	
			10 EA.	8 STR WING NUT TEST PLUG	
			10 EA.	4 BRASS RH PLUG	
			10 EA.	6 BRASS RH PLUG	
			10 EA.	1 GAL ALL PURPOSE CLR CLNR	
			10 EA.	16 OZ ALL PURPOSE CLR CLNR	
			10 EA.	16 OZ PURP PRMR / CLNR	
			10 EA.	32 OZ ALL PURPOSE CLR CLNR	
			10 EA.	32 OZ PURP PRMR / CLNR	
			10 EA.	8 OZ PVC BLUE RAIN R SHINE CEMENT	
			10 EA.	16 OZ PVC BLUE RAIN R SHINE CEMENT	
			10 EA.	32 OZ PVC BLUE RAIN R SHINE CEMENT	
			10 EA.	1 GAL PVC REG CLR CEMENT	
			10 EA.	16 OZ PVC MED CLR CEMENT	
			10 EA.	32 OZ PVC MED CLR CEMENT	
			10 EA.	32 OZ CPVC HD GRAY CEMENT	
			10 EA.	16 OZ PVC HD GRAY CEMENT	
			10 EA.	32 OZ PVC HD GRAY CEMENT	
			10 EA.	1 GAL DARK CUTTING OIL SPD THRD	
			10 EA.	16 OZ PIPE DOPE W/ TEF & BRASS	
			10 EA.	TRAFFIC STRIPING PAINT YELLOW	
			10 EA.	TRAFFIC STRIPING PAINT RED	
			10 EA.	TRAFFIC STRIPING PAINT BLUE	
			10 EA.	TRAFFIC STRIPING PAINT GREEN	
			10 EA.	3 FT CURB ST KEY	
			10 EA.	4 FT CURB ST KEY	
			10 EA.	5 FT CURB ST KEY	
			10 EA.	5 FT H/WHL VALVE KEY	
			10 EA.	M/HOLE CVR HOOK	
			10 EA.	36 M/HOLE CVR HOOK	
			10 EA.	5 FT PRY BAR	
			10 EA.	10 FOAM POLY PIG	
			10 EA.	12 FOAM POLY PIG	
			10 EA.	14 FOAM POLY PIG	
			10 EA.	6 FOAM POLY PIG	
			10 EA.	4 FT PROBE ROD	
			10 EA.	5 FT T- HDL VALVE KEY	
			10 EA.	810 10 ALUM STR PIPE WRCH	
			10 EA.	814 14 ALUM STR PIPE WRCH	
			10 EA.	818 18 ALUM STR PIPE WRCH	
			10 EA.	824 24 ALUM STR PIPE WRCH	
			10 EA.	836 36 ALUM STR PIPE WRCH	
			10 EA.	812 12 ALUM STR PIPE WRCH	
			10 EA.	812 12 ALUM STR PIPE WRCH	
			4 EA.	3X1000 DETECT TAPE - FORCE MAIN	
			4 EA.	4X1000 DETECT TAPE - FORCE MAIN	
			4 EA.	3X1000 DETECT TAPE - IRRIGATION	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			4 EA.	3X1000 DETECT TAPE - RECLAIM WATER	
			4 EA.	2X1000 DETECT TAPE - SWR	
			4 EA.	3X1000 DETECT TAPE - SWR	
			4 EA.	3X1000 DETECT TAPE - SWR	
			4 EA.	4X1000 DETECT TAPE - SWR	
			4 EA.	6X1000 DETECT TAPE - SWR	
			10 EA.	21 WIRE FLAG BLUE	
			10 EA.	21 WIRE FLAG PURPLE	
			10 EA.	21 WIRE FLAG GREEN	
			10 EA.	2-1/2 PRES GA 0 - 300 LIQ	
			5 CS.	VANDLAISM REMOVER	
			2 CS.	BELT, DRESSING	
			10 PAILS	CHLORINE TABLETS 3"	
			5 CS.	CONTACT CLEANER (CRC IND.)	
			10 CS.	WD-40 SPRAY #42110	
			1 CS.	GREASE, MULTI-PURPOSE	
			1 CS.	GREASE, IMPACT	
			1 CS.	GREASE, SPRAY CAN	
			2 CS.	GROUT, MULTI-PURPOSE TUBES	
			2 CS.	GROUT CATALYST CHEM T, TRIETHANOLAM	
			5 GAL.	SANAFOAM VAPOROOTER II	
			1 CS.	20 OZ MOISTURE DISPLACEN	
			1 CS.	METAL PREP.	
			10 ROLLS	PLUMBERS TAPE	
			10 EA.	PVC CUTTER	
			20 EA.	PVC CUTTER BLADE	
			5 BOX	DUST MASK #1863	
			10 EA.	GREASE GUN	
			5 CS.	OIL MOX 5D:1 STIHL 8-6PACKS/CASE (6 PACKS IS 1 ITEM	
			10 CS.	SAE 30 MOTOR OIL	
			1 CS.	A/W HYDRAULIC OIL, ANTI-WEAR #68	
			1 CS.	TRANSMISSION FLUID VLV-353	
			5 CS.	DIESEL FUEL CONDITION	
			1 CS.	BRAKE FLUID	
			1 CS.	LE 8440 MONOLEC P40	
			1 CS.	8430 Monolec P40	
			1 CS.	LE 8430 MONOLEC GFS ENGINE OIL SAE 30	
			1 CS.	LE 2100 MONOLEC WIRE ROPE LUBRICANT (SPRAY)	
			1 CS.	LE 2059 MONOLEC PENETRATING OIL	
			1 CS.	LE 6405 MONOLEC TRUBINE OIL SAE 40	
			1 CS.	LE 6203 MONOLEC AIR COMPRESSOR OIL SAE 30	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			1 CS.	LE 6120 MONOLEC HYDRAULIC OIL SAE 20	
			1 CS.	LE 6520 MONOLEC HYDRAULIC OIL SAE 5-20	
			1 CS.	LE 1275 ALMAPLEX GREASE - 50/CASE	
			5 EA.	LE 4025 QUINPLEX FOOD MACHINERY GREASE	
			5 EA.	LE 3752 ALMAGARD GREASE	
			5 EA.	LE 5182 PYROSHIELD LUBRICANT (CAULKING TUBE)	
			1 CS.	300 MONOLEC IL	
			1 CS.	LE 609 ALMASOL GEAR LUBRICANT SAE 250 (24 QT. CAN)	
			1 CS.	LE 608 ALMASOL GEAR LUBRICANT SAE 140	
			1 CS.	LE 607 ALMASOL GEAR LUBRICANT SAE 90-6LBS./18GAL/72	
			1 CS.	LE 604 ALMASOL GEAR LUBRICANT SAE 90	
			1 CS.	LE 9901 ALMASOL SYNTHETIC GREASE	
			20 EA.	MINI SEWER MARKERS A-1258	
			5 EA.	SQ. VALVE OPERATING WRENCH 5'2"	
			10 EA.	BLADE HACKSAW (HIGH SPEED) 12" X 24 TEETH	
			10 EA.	BLADE FOR STONE 14" X 1/8" X 20 MM.	
			10 EA.	BLADE FOR D.I. 14" X 1/8" X 20 MM.	
			10 EA.	BLADE D.I. 12" X 1/8" X 20 MM.	
			10 EA.	BLADE FOR STONE 12" X 1/8" X 20 MM.	
			10 EA.	SANDER/GRINDER DISC 4-1/2"	
			5 EA.	61" PRY BAR	
			10 EA.	4" TRENCHING SHOVEL LONG HANDLE	
			5 EA.	DRAIN SPADE, SHARPSHOOTER UDS-14	
			10 EA.	POST HOLE DIGGER (4")	
			30 EA.	TIE DOWN STRAP WITH HOOKS 15" LONG	
			30 EA.	TIE DOWN STRAP WITH HOOKS 22" LONG	
			30 EA.	TIE DOWN STRAP WITH HOOKS 32" LONG	
			100 ROLL	TEFLON TAPE	
			3 CS.	PVC PIPE CLEANER -QT.	
			3 BOX	RECTORSEAL PT.	
			8 BOX	NEVER-SEEZ 12 PT	
			10 EA.	PIPE LUBE QT.	
			10 EA.	BLUE MAGNETIC TAPE 3" X 1000' ROLL	
			10 EA.	GREEN MAGNETIC TAPE 3" X 1000' (SEWER FORCE MAIN)	
			100 EA.	BRASS ID TAG	
			100 ROLL	RED MARKING RIBBON	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			25 ROLLS	Flag Tape Orange	
			5 CS.	YELLOW MARKING PAINT	
			50 CS.	PURPLE MARKING PAINT (PERMANENT)	
			50 CS.	BLUE MARKING PAINT (TEMP. LOCATING)	
			30 CS.	GREEN MARKING PAINT	
			5 CS.	RED MARKING PAINT	
			50 BX.	SURVEY MARKER FLAG - WATER - BLUE	
			25 BX.	SURVEY MARKER FLAG - SEWER - GREEN	
			10 BX.	SURVEY MARKER FLAG "RED"	
			10 BX.	SURVEY MARKER FLAG "RED"	
			100 EA.	LOCATE BALLS "BLUE"	
			100 EA.	LOCATE BALLS "GREEN"	
			100 EA.	LOCATE BALLS "PURPLE"	
			6 EA.	8 TEST BALL	
			6 EA.	10 TEST BALL	
			6 EA.	12 TEST BALL	
			6 EA.	8 MUNI BALL PLUG	
			6 EA.	4 TEST BALL	
			6 EA.	6 TEST BALL	
			10 EA.	HAND TEST PUMP W/ DLX GA	
			10 EA.	10 FT EXT HOSE ASSY	
			10 EA.	20 FT EXT HOSE ASSY	
				GRAND TOTAL (UNIT COST)	
SECTION 24				****MJ ACCESORY SETS****	
			5 EA.	10 MJ ACC SET	
			5 EA.	12 MJ ACC SET	
			5 EA.	14 MJ ACC SET	
			5 EA.	16 MJ ACC SET	
			5 EA.	18 MJ ACC SET	
			5 EA.	20 MJ ACC SET	
			5 EA.	24 MJ ACC SET	
			5 EA.	30 MJ ACC SET	
			10 EA.	3 MJ ACC SET	
			8 EA.	4 MJ ACC SET	
				GRAND TOTAL (UNIT COST)	
SECTION 25				****MJ GLANDS****	
			20 EA.	10 MJ GLAND	
			20 EA.	12 MJ GLAND	
			20 EA.	14 MJ GLAND	
			20 EA.	16 MJ GLAND	
			20 EA.	18 MJ GLAND	
			20 EA.	20 MJ GLAND	
			20 EA.	24 MJ GLAND	
			20 EA.	30 MJ GLAND	
				GRAND TOTAL (UNIT COST)	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
SECTION 26					
****MJ GASKETS****					
			12 EA.	10 MJ GASKET	
			12 EA.	12 MJ GASKET	
			12 EA.	14 MJ GASKET	
			12 EA.	16 MJ GASKET	
			12 EA.	18 MJ GASKET	
			12 EA.	20 MJ GASKET	
			12 EA.	24 MJ GASKET	
			12 EA.	30 MJ GASKET	
			12 EA.	36 MJ GASKET	
			12 EA.	2 MJ GASKET	
			12 EA.	3 MJ GASKET	
			12 EA.	4 MJ GASKET	
			12 EA.	6 MJ GASKET	
			12 EA.	8 MJ GASKET	
			12 EA.	3 MJ GLAND	
			12 EA.	4 MJ GLAND	
			12 EA.	6 MJ GLAND	
			12 EA.	8 MJ GLAND	
			10 EA.	3 MJ TRAN GASKET	
			10 EA.	4 MJ TRAN GASKET	
			10 EA.	6 MJ TRAN GASKET	
			10 EA.	8 MJ TRAN GASKET	
			10 EA.	5/8X3 MJ T-HEAD BOLT & NUT	
			10 EA.	3/4X3-1/2 MJ T-HEAD BOLT & NUT	
			10 EA.	3/4X4 MJ T-HEAD BOLT & NUT	
			10 EA.	3/4X4-1/2 MJ T-HEAD BOLT & NUT	
			10 EA.	3/4X5 MJ T-HEAD BOLT & NUT	
			10 EA.	1X6 MJ T-HEAD BOLT & NUT	
				GRAND TOTAL (UNIT COST)	
SECTION 27					
****JOINT RESTRAINTS****					
			10 EA.	10 JT RESTRAINT C900/DI PIPE	
			10 EA.	12 JT RESTRAINT C900/DI PIPE	
			10 EA.	16 JT RESTRAINT C905/DI PIPE	
			10 EA.	4 JT RESTRAINT C900/DI PIPE	
			10 EA.	6 JT RESTRAINT C900/DI PIPE	
			10 EA.	8 JT RESTRAINT C900/DI PIPE	
			10 EA.	3 JT RESTRAINT IPS PVC PIPE	
			10 EA.	4 JT RESTRAINT IPS PVC PIPE	
			10 EA.	6 JT RESTRAINT IPS PVC PIPE	
			10 EA.	8 JT RESTRAINT IPS PVC PIPE	
			10 EA.	18JT RESTRAINT C905/DI PIPE	
			10 EA.	20JT RESTRAINT C905/DI PIPE	
			10 EA.	24JT RESTRAINT C905/DI PIPE	
			10 EA.	30JT RESTRAINT DI PIPE	
			10 EA.	36JT RESTRAINT DI PIPE	

LEE COUNTY PURCHASING SERVICES - BIDDERS CHECK LIST

IMPORTANT: Please read carefully and return with your bid proposal.

Please check off each of the following items as the necessary action is completed:

- 1. The Quote has been signed.
- 2. The Quote prices offered have been reviewed.
- 3. The price extensions and totals have been checked.
- 4. The original (must be manually signed) and 2 copies of the quote have been submitted.
- 5. Three (3) identical sets of descriptive literature, brochures and/or data (if required) have been submitted under separate cover.
- 6. All modifications have been acknowledged in the space provided.
- 7. All addendums issued, if any, have been acknowledged in the space provided.
- 8. Erasures or other changes made to the quote document have been initialed by the person signing the quote.
- 9. Bid Bond and/or certified Check, (if required) have been submitted with the quote in amounts indicated.
- 10. Any Delivery information required is included.

11. The mailing envelope has been addressed to:

Lee County Purchasing Services	or	Lee County Purchasing
P.O. Box 398		3434 Hancock Bridge Pkwy 3 rd FL
Ft. Myers, FL 33902-0398		N. Ft. Myers, FL 33903

12. The mailing envelope **MUST** be sealed and marked with:
 Quote Number
 Opening Date and/or Receiving Date

13. The quote will be mailed or delivered in time to be received no later than the specified opening date and time.
 (Otherwise quote cannot be considered or accepted.)

14. If submitting a "NO BID" please write quote number here _____
 and check one of the following:
 Do not offer this product Insufficient time to respond.
 Unable to meet specifications (why)
 Unable to meet bond or insurance requirement.
 Other: _____

Company Name and Address:

BOARD OF COUNTY COMMISSIONERS

Writer's Direct Dial Number: _____

Bob Janes
District One August 6, 2002

Douglas R. St. Cerny
District Two

Ray Judah
District Three

Andrew W. Coy
District Four

John E. Albion
District Five

Donald D. Stilwell
County Manager

James G. Yaeger
County Attorney

Diana M. Parker
County Hearing
Examiner

**FORMAL QUOTE NO.: Q-020081
LEE COUNTY ADDENDUM NUMBER ONE
WATER, SEWER, & IRRIGATION
MATERIALS, ANNUAL FOR UTILITIES**

QUOTERS MUST ACKNOWLEDGE RECEIPT OF THIS ADDENDUM ON THE PROPOSAL QUOTE FORM, PAGE 10.

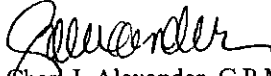
The following changes are being made to this specification:

DETAILED SPECIFICATIONS

1. Page 17, Section 8. Gate Valves, first paragraph, **add:**
Valves for pipe less than 2" in diameter shall conform to the requirements of AWWA C509 (latest revision) and shall be cast iron, single wedge, non-rising stem, **NRS or OS & Y**, screwed bonnet, 125 pounds S.P., 200 pounds W.O.G. with stuffing box repackable under pressure and all parts renewable.
2. Page 19, Section 13. Transition Flexible Couplings, **remove/delete** this title and **add 'and'** to read **"Transition and Flexible Couplings"**. Also, **delete** the word **Drawings** that are not applicable within this specification.
3. Page 20, Section 20. HDPE Pipe and Fittings, **add:**
SDR-11 is acceptable.
4. Page 20, Section 22. Ductile Iron Pipe, change wording to **add Class 350** as follows:
Ductile Iron Pipe shall be a minimum of Class 50 or pressure Class 250 or 350 and will be accepted in any diameter for use within the distribution system.
5. **Replace Attachment B, with new and revised Attachment B-1.**

If you have any questions concerning this addendum, please contact me at the number listed above.

DIVISION OF PURCHASING


Cher J. Alexander, C.P.M., CPPB
Purchasing Agent

/cja

C: Utilities Division

ATTACHMENT B-1
WATER, SEWER & IRRIGATION MATERIALS
ANNUAL FOR UTILITIES

UNIT PRICE SCHEDULE

ATTACHMENT B-1

WATER, SEWER & IRRIGATION MATERIALS

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
WATER					
SECTION 1				****GALVANIZED FITTINGS****	
			10 EA.	3/4X12 GALV STEEL NIPPLE	
			10 EA.	3/4X24 GALV READY CUT PIPE	
			10 EA.	3/4X48 GALV READY CUT PIPE	
			10 EA.	3/4XCLOSE GALV STEEL NIPPLE	
			10 EA.	3/4X3 GALV STEEL NIPPLE	
			10 EA.	3/4X4 GALV STEEL NIPPLE	
			10 EA.	3/4X6 GALV STEEL NIPPLE	
			10 EA.	1X12 GALV STEEL NIPPLE	
			10 EA.	1X24 GALV READY CUT PIPE	
			10 EA.	1X36 GALV READY CUT PIPE	
			10 EA.	1X48 GALV READY CUT PIPE	
			10 EA.	1XCLOSE GALV STEEL NIPPLE	
			10 EA.	1X3 GALV STEEL NIPPLE	
			10 EA.	1X4 GALV STEEL NIPPLE	
			10 EA.	1X6 GALV STEEL NIPPLE	
			10 EA.	1-1/4XCLOSE GALV STEEL NIPPLE	
			10 EA.	1-1/4X4 GALV STEEL NIPPLE	
			10 EA.	1-1/4X6 GALV STEEL NIPPLE	
			10 EA.	1-1/2X12 GALV STEEL NIPPLE	
			10 EA.	1-1/2X24 GALV READY CUT PIPE	
			10 EA.	1-1/2X48 GALV READY CUT PIPE	
			10 EA.	1-1/2XCLOSE GALV STEEL NIPPLE	
			10 EA.	1-1/2X3 GALV STEEL NIPPLE	
			10 EA.	1-1/2X4 GALV STEEL NIPPLE	
			10 EA.	1-1/2X6 GALV STEEL NIPPLE	
			10 EA.	2X12 GALV STEEL NIPPLE	
			10 EA.	2X24 GALV READY CUT PIPE	
			10 EA.	2X36 GALV READY CUT PIPE	
			10 EA.	2X48 GALV READY CUT PIPE	
			10 EA.	2XCLOSE GALV STEEL NIPPLE	
			10 EA.	2X3 GALV STEEL NIPPLE	
			10 EA.	2X4 GALV STEEL NIPPLE	
			10 EA.	2X6 GALV STEEL NIPPLE	
			10 EA.	2-1/2XCLOSE GALV STEEL NIPPLE	
			10 EA.	2-1/2X4 GALV STEEL NIPPLE	
			10 EA.	2-1/2X6 GALV STEEL NIPPLE	
			10 EA.	3X12 GALV STEEL NIPPLE	
			10 EA.	3XCLOSE GALV STEEL NIPPLE	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	3X4 GALV STEEL N	
			10 EA.	4XCLOSE GALV STEEL NIPPLE	
			10 EA.	4X4 GALV STEEL NIPPLE	
			10 EA.	4X6 GALV STEEL NIPPLE	
			10 EA.	6XCLOSE GALV STEEL NIPPLE	
			10 EA.	6X6 GALV STEEL NIPPLE	
			10 EA.	3/4 GALV MI 150# BRASS GJ UNION	
			10 EA.	1 GALV MI 150# BRASS GJ UNION	
			10 EA.	1-1/2 GALV MI 150# BRASS GJ UNION	
			10 EA.	2 GALV MI 150# BRASS GJ UNION	
			10 EA.	3 GALV MI 150# BRASS GJ UNION	
			10 EA.	3/4 GALV MI 150# 45 ELBOW	
			10 EA.	1 GALV MI 150# 45 ELBOW	
			10 EA.	1-1/2 GALV MI 150# 45 ELBOW	
			10 EA.	2 GALV MI 150# 45 ELBOW	
			10 EA.	3/4 GALV MI 150# 90 ELBOW	
			10 EA.	1 GALV MI 150# 90 ELBOW	
			10 EA.	1-1/4 GALV MI 150# 90 ELBOW	
			10 EA.	1-1/2 GALV MI 150# 90 ELBOW	
			10 EA.	2 GALV MI 150# 90 ELBOW	
			10 EA.	3 GALV MI 150# 90 ELBOW	
			10 EA.	1/2X1/4 GALV STEEL HEX BUSHING	
			10 EA.	3/4X1/4 GALV STEEL HEX BUSHING	
			10 EA.	3/4X1/2 GALV STEEL HEX BUSHING	
			10 EA.	1X1/2 GALV MI HEX BUSHING	
			10 EA.	1X3/4 GALV MI HEX BUSHING	
			10 EA.	1-1/2X3/4 GALV CI HEX BUSHING	
			10 EA.	1-1/2X1 GALV CI HEX BUSHING	
			10 EA.	2X3/4 GALV CI HEX BUSHING	
			10 EA.	2X1 GALV CI HEX BUSHING	
			10 EA.	2X1-1/4 GALV CI HEX BUSHING	
			10 EA.	2X1-1/2 GALV MI HEX BUSHING	
			10 EA.	2-1/2X2 GALV MI HEX BUSHING	
			10 EA.	3X2 GALV CI HEX BUSHING	
			10 EA.	3/4 GALV MI 150# CAP	
			10 EA.	1 GALV MI 150# CAP	
			10 EA.	1-1/2 GALV MI 150# CAP	
			10 EA.	2 GALV MI 150# CAP	
			10 EA.	3/4 GALV MI 150# COUPLING	
			10 EA.	1 GALV MI 150# COUPLING	
			10 EA.	1-1/2 GALV MI 150# COUPLING	
			10 EA.	2 GALV MI 150# COUPLING	
			10 EA.	4 GALV MI 150# COUPLING	
			10 EA.	1/2 GALV CI CORED PLUG	
			10 EA.	3/4 GALV CI CORED PLUG	
			10 EA.	1 GALV CI CORED PLUG	
			10 EA.	1-1/2 GALV CI CORED PLUG	
			10 EA.	2 GALV CI CORED PLUG	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	2X3/4 GALV MI 150# RED COUPLING	
			10 EA.	2-1/2X2 GALV MI 150# RED COUPLING	
			10 EA.	3/4 GALV MI 150# TEE	
			10 EA.	1 GALV MI 150# TEE	
			10 EA.	1-1/4 GALV MI 150# TEE	
			10 EA.	1-1/2 GALV MI 150# TEE	
			10 EA.	2 GALV MI 150# TEE	
			10 EA.	2X2X1 GALV MI 150# TEE	
			10 EA.	3 GALV MI 150# TEE	
			10 EA.	4 GALV MI 150# TEE	
				GRAND TOTAL (UNIT COST)	
SECTION 2				****BRASS FITTINGS****	
			10 EA.	1 BRASS 45 ELBOW	
			10 EA.	2 BRASS 4 5 ELBOW	
			10 EA.	2-1/2 BRASS 45 ELBOW	
			10 EA.	3/4 BRASS 90 ELBOW	
			10 EA.	1 BRASS 90 ELBOW	
			10 EA.	1-1/2 BRASS 90 ELBOW	
			10 EA.	2 BRASS 90 ELBOW	
			10 EA.	2-1/2 BRASS 90 ELBOW	
			10 EA.	3/4X1/4 BRASS BUSHING	
			10 EA.	3/4X3/8 BRASS BUSHING	
			10 EA.	3/4X1/2 BRASS BUSHING	
			10 EA.	1X1/4 BRASS BUSHING	
			10 EA.	1X1/2 BRASS BUSHING	
			100 EA.	1X3/4 BRASS BUSHING	
			10 EA.	1-1/2X3/4 BRASS BUSHING	
			10 EA.	1-1/2X1 BRASS BUSHING	
			10 EA.	2X3/4 BRASS BUSHING	
			10 EA.	2X1 BRASS BUSHING	
			10 EA.	2X1-1/2 BRASS BUSHING	
			10 EA.	2-1/2X2 BRASS BUSHING	
			10 EA.	3/4 BRASS CAP	
			10 EA.	2 BRASS CAP	
			50 EA.	3/4 BRASS COUPLING	
			50 EA.	1 BRASS COUPLING	
			10 EA.	1-1/2 BRASS COUPLING	
			10 EA.	2 BRASS COUPLING	
			10 EA.	1/4X3 BRASS NIPPLE	
			10 EA.	1/2XCLOSE BRASS NIPPLE	
			10 EA.	1/2X2 BRASS NIPPLE	
			10 EA.	1/2X2 BRASS NIPPLE	
			10 EA.	3/4X12 BRASS NIPPLE	
			10 EA.	3/4X24 BRASS NIPPLE	
			10 EA.	3/4X36 BRASS NIPPLE	
			10 EA.	3/4XCLOSE BRASS NIPPLE	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	3/4X3 BRASS NIPPLE	
			10 EA.	3/4X4 BRASS NIPPLE	
			10 EA.	3/4X6 BRASS NIPPLE	
			10 EA.	1X12 BRASS NIPPLE	
			10 EA.	1X24 BRASS NIPPLE	
			10 EA.	1X36 BRASS NIPPLE	
			10 EA.	1XCLOSE BRASS NIPPLE	
			10 EA.	1X3 BRASS NIPPLE	
			10 EA.	1X4 BRASS NIPPLE	
			10 EA.	1X6 BRASS NIPPLE	
			10 EA.	1-1/4X12 BRASS NIPPLE	
			10 EA.	1-1/2X12 BRASS NIPPLE	
			10 EA.	1-1/2X24 BRASS NIPPLE	
			10 EA.	1-1/2X36 BRASS NIPPLE	
			10 EA.	1-1/2X48 BRASS NIPPLE	
			10 EA.	1-1/2XCLOSE BRASS NIPPLE	
			10 EA.	1-1/2X3 BRASS NIPPLE	
			10 EA.	1-1/2X4 BRASS NIPPLE	
			10 EA.	1-1/2X6 BRASS NIPPLE	
			10 EA.	2X12 BRASS NIPPLE	
			10 EA.	2X24 BRASS NIPPLE	
			10 EA.	2X36 BRASS NIPPLE	
			10 EA.	2X48 BRASS NIPPLE	
			50 EA.	2XCLOSE BRASS NIPPLE	
			50 EA.	2X3 BRASS NIPPLE	
			50 EA.	2X4 BRASS NIPPLE	
			50 EA.	2X6 BRASS NIPPLE	
			50 EA.	2X8 BRASS NIPPLE	
			10 EA.	2-1/2X3 BRASS NIPPLE	
			10 EA.	2-1/2X4 BRASS NIPPLE	
			10 EA.	3/4 BRASS PLUG	
			10 EA.	1 BRASS PLUG	
			10 EA.	1-1/2 BRASS PLUG	
			10 EA.	2 BRASS PLUG	
			10 EA.	3/4 BRASS TEE	
			10 EA.	1 BRASS TEE	
			10 EA.	1-1/2 BRASS TEE	
			10 EA.	2 BRASS TEE	
			10 EA.	3/4 BRASS 150# UNION	
			10 EA.	1 BRASS 150# UNION	
			10 EA.	1-1/2 BRASS 150# UNION	
			10 EA.	2 BRASS 150# UNION	
				GRAND TOTAL (UNIT COST)	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
SECTION 3				****COPPER TUBING****	
			10 EA.	3/4 X 20 FT K HARD COPPER TUBE	
			10 EA.	1 X 20 FT K HARD COPPER TUBE	
			10 EA.	1-1/2 X 20 FT K HARD COPPER TUBE	
			10 EA.	2 X 20 FT K HARD COPPER TUBE	
				GRAND TOTAL (UNIT COST)	
SECTION 4				****POLY TUBING****	
			10 EA.	3/4X100 HD200 CTS BLUE POLY	
			10 EA.	3/4X500 HD200 CTS BLUE POLY	
			10 EA.	1X100 HD200 CTS BLUE POLY	
			10 EA.	1X300 HD200 CTS BLUE POLY	
			10 EA.	1X500 HD200 CTS BLUE POLY	
			10 EA.	1-1/2X100 HD200 CTS BLUE POLY	
			10 EA.	1-1/2X300 HD200 CTS BLUE POLY	
			10 EA.	2X100 HD200 CTS BLUE POLY	
			10 EA.	2X200 HD200 CTS BLUE POLY	
			10 EA.	2X300 HD200 CTS BLUE POLY	
			10 EA.	1X300 HD200 CTS PURP POLY	
			10 EA.	1-1/2X100 HD200 CTS PURP POLY	
			10 EA.	1-1/2X300 HD200 CTS PURP POLY	
			10 EA.	2X100 HD200 CTS PURP POLY	
			10 EA.	2X200 HD200 CTS PURP POLY	
				GRAND TOTAL (UNIT COST)	
FITTINGS					
SECTION 5				****SCH 40 FITTINGS****	
			10 EA.	3/4 PVC SCH40 SXS 45 ELBOW	
			10 EA.	1 PVC SCH40 SXS 45 ELBOW	
			10 EA.	1-1/4 PVC SCH40 SXS 45 ELBOW	
			10 EA.	1-1/2 PVC SCH40 SXS 45 ELBOW	
			10 EA.	2 PVC SCH40 SXS 45 ELBOW	
			10 EA.	2-1/2 PVC SCH40 SXS 45 ELBOW	
			10 EA.	3 PVC SCH40 SXS 45 ELBOW	
			10 EA.	4 PVC SCH40 SXS 45 ELBOW	
			10 EA.	6 PVC SCH40 SXS 45 ELBOW	
			10 EA.	8 PVC SCH40 SXS 45 ELBOW	
			10 EA.	10 PVC SCH40 SXS 90 ELBOW	
			10 EA.	1/2 PVC SCH40 SXS 90 ELBOW	
			10 EA.	3/4 PVC SCH40 SXS 90 ELBOW	
			10 EA.	3/4 PVC SCH40 SXS 90 ELBOW	
			10 EA.	1 PVC SCH40 SXS 90 ELBOW	
			10 EA.	1-1/4 PVC SCH40 SXS 90 ELBOW	
			10 EA.	1-1/2 PVC SCH40 SXS 90 ELBOW	
			10 EA.	2 PVC SCH40 SXS 90 ELBOW	
			10 EA.	2-1/2 PVC SCH40 SXS 90 ELBOW	
			10 EA.	3 PVC SCH40 SXS 90 ELBOW	
			10 EA.	4 PVC SCH40 SXS 90 ELBOW	
			10 EA.	6 PVC SCH40 SXS 90 ELBOW	
			10 EA.	8 PVC SCH40 SXS 90 ELBOW	
			10 EA.	3/4X1/2 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	1X3/4 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	1-1/4X1 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	1-1/2X3/4 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	1-1/2X1 PVC SCH40 SPXSLIP BUSHING	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	1-1/2X1-1/4 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	2X3/4 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	2X1 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	2X1-1/2 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	2-1/2X2 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	3X2 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	3X2-1/2 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	4X2 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	4X3 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	6X3 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	6X4 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	8X4 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	8X6 PVC SCH40 SPXSLIP BUSHING	
			10 EA.	1/2 PVC SCH40 SOC CAP	
			10 EA.	3/4 PVC SCH40 SOC CAP	
			10 EA.	1 PVC SCH40 SOC CAP	
			10 EA.	1-1/4 PVC SCH40 SOC CAP	
			10 EA.	1-1/2 PVC SCH40 SOC CAP	
			10 EA.	2 PVC SCH40 SOC CAP	
			10 EA.	2-1/2 PVC SCH40 SOC CAP	
			10 EA.	3 PVC SCH40 SOC CAP	
			10 EA.	4 PVC SCH40 SOC CAP	
			10 EA.	6 PVC SCH40 SOC CAP	
			10 EA.	8 PVC SCH40 SOC CAP	
			10 EA.	1/2 PVC SCH40 SXS COUPLING	
			10 EA.	3/4 PVC SCH40 SXS COUPLING	
			10 EA.	1 PVC SCH40 SXS COUPLING	
			10 EA.	1-1/4 PVC SCH40 SXS COUPLING	
			10 EA.	1-1/2 PVC SCH40 SXS COUPLING	
			10 EA.	2 PVC SCH40 SXS COUPLING	
			10 EA.	2-1/2 PVC SCH40 SXS COUPLING	
			10 EA.	3 PVC SCH40 SXS COUPLING	
			10 EA.	4 PVC SCH40 SXS COUPLING	
			10 EA.	6 PVC SCH40 SXS COUPLING	
			10 EA.	8 PVC SCH40 SXS COUPLING	
			10 EA.	3/4 PVC SCH40 SXF 90 ELBOW	
			10 EA.	1 PVC SCH40 SXF 90 ELBOW	
			10 EA.	1/2 PVC SCH40 SXF ADAPTOR	
			50 EA.	3/4 PVC SCH40 SXF ADAPTOR	
			10 EA.	1 PVC SCH40 SXF ADAPTOR	
			10 EA.	1-1/4 PVC SCH40 SXF ADAPTOR	
			10 EA.	1-1/2 PVC SCH40 SXF ADAPTOR	
			10 EA.	2 PVC SCH40 SXF ADAPTOR	
			10 EA.	3 PVC SCH40 SXF ADAPTOR	
			10 EA.	4 PVC SCH40 SXF ADAPTOR	
			10 EA.	6 PVC SCH40 SXF ADAPTOR	
			10 EA.	3/4X1/2 PVC SCH40 FT G X F BUSHING	
			10 EA.	1X1/2 PVC SCH40 FTG X F BUSHING	
			10 EA.	1X3/4 PVC SCH40 FTG X F BUSHING	
			10 EA.	1-1/4X3/4 PVC SCH40 FT G X F BUSHING	
			10 EA.	1-1/2X3/4 PVC SCH40 FT G X F BUSHING	
			10 EA.	1-1/2X1 PVC SCH40 FT G X F BUSHING	
			10 EA.	2X3/4 PVC SCH40 FTG X F BUSHING	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	2X1 PVC SCH40 FTG X F BUSHING	
			10 EA.	2X1-1/2 PVC SCH40 FTG X F BUSHING	
			10 EA.	2-1/2X2 PVC SCH40 FT G X F BUSHING	
			10 EA.	1 PVC SCH40 SXM ST 90 ELBOW	
			10 EA.	1/2 PVC SCH40 SXM ADAPTOR	
			10 EA.	3/4 PVC SCH40 SXM ADAPTOR	
			10 EA.	1 PVC SCH40 SXM ADAPTOR	
			10 EA.	1-1/4 PVC SCH40 SXM ADAPTOR	
			10 EA.	1-1/2 PVC SCH40 SXM ADAPTOR	
			10 EA.	2 PVC SCH40 SXM ADAPTOR	
			10 EA.	2-1/2 PVC SCH40 SXM ADAPTOR	
			10 EA.	3 PVC SCH40 SXM ADAPTOR	
			10 EA.	4 PVC SCH40 SXM ADAPTOR	
			10 EA.	6 PVC SCH40 SXM ADAPTOR	
			10 EA.	3/4 PVC SCH40 SXSXS TEE	
			10 EA.	1 PVC SCH40 SXSXS TEE	
			10 EA.	1-1/4 PVC SCH40 SXSXS TEE	
			10 EA.	1-1/2 PVC SCH40 SXSXS TEE	
			10 EA.	2 PVC SCH40 SXSXS TEE	
			10 EA.	2-1/2 PVC SCH40 SXSXS TEE	
			10 EA.	3 PVC SCH40 SXSXS TEE	
			10 EA.	4 PVC SCH40 SXSXS TEE	
			10 EA.	6 PVC SCH40 SXSXS TEE	
			10 EA.	8 PVC SCH40 SXSXS TEE	
			10 EA.	1X3/4 PVC SCH40 THRD BUSHING	
			10 EA.	2X3/4 PVC SCH40 THRD BUSHING	
			10 EA.	2X1 PVC SCH40 THRD BUSHING	
			10 EA.	2X1-1/2 PVC SCH40 THRD BUSHING	
			10 EA.	3/4 PVC SCH40 THRD CAP	
			10 EA.	1 PVC SCH40 THRD CAP	
			10 EA.	1-1/2 PVC SCH40 THRD CAP	
			10 EA.	2 PVC SCH40 THRD CAP	
			10 EA.	1/2 PVC SCH40 THRD PLUG	
			10 EA.	3/4 PVC SCH40 THRD PLUG	
			10 EA.	1 PVC SCH40 THRD PLUG	
			10 EA.	1-1/2 PVC SCH40 THRD PLUG	
			10 EA.	2 PVC SCH40 THRD PLUG	
			10 EA.	3 PVC SCH40 THRD PLUG	
				****SCH 80 FITTINGS****	
			10 EA.	4 PVC SCH80 BLIND FLANGE	
			10 EA.	6 PVC SCH80 BLIND FLANGE	
			10 EA.	8 PVC SCH80 BLIND FLANGE	
			10 EA.	1/2 PVC SCH80 SXS 45 ELBOW	
			10 EA.	3/4 PVC SCH80 SXS 45 ELBOW	
			10 EA.	1 PVC SCH80 SXS 45 ELBOW	
			10 EA.	1-1/4 PVC SCH80 SXS 45 ELBOW	
			10 EA.	1-1/2 PVC SCH80 SXS 45 ELBOW	
			10 EA.	2 PVC SCH80 SXS 45 ELBOW	
			10 EA.	2-1/2 PVC SCH80 SXS 45 ELBOW	
			10 EA.	3 PVC SCH80 SXS 45 ELBOW	
			10 EA.	4 PVC SCH80 SXS 45 ELBOW	
			10 EA.	6 PVC SCH80 SXS 45 ELBOW	
			10 EA.	1/2 PVC SCH80 SXS 90 ELBOW	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	3/4 PVC SCH80 SXS 90 ELBOW	
			10 EA.	1 PVC SCH80 90 ELBOW	
			10 EA.	1-1/4 PVC SCH80 SXS 90 ELBOW	
			10 EA.	1-1/2 PVC SCH80 SXS 90 ELBOW	
			10 EA.	2 PVC SCH80 90 ELBOW	
			10 EA.	2-1/2 PVC SCH80 SXS 90 ELBOW	
			10 EA.	3 PVC SCH80 90 ELBOW	
			10 EA.	4 PVC SCH80 SXS 90 ELBOW	
			10 EA.	6 PVC SCH80 90 ELBOW	
			10 EA.	8 PVC SCH80 SXS 90 ELBOW	
			10 EA.	3/4X1/2 PVC SCH80 FTG XS BUSHING	
			10 EA.	1X1/2 PVC SCH80 FTG XS BUSHING	
			10 EA.	1X3/4 PVC SCH80 FTG XS BUSHING	
			10 EA.	1-1/4X1 PVC SCH80 FTG XS BUSHING	
			10 EA.	1-1/2X1 PVC SCH80 FTG XS BUSHING	
			10 EA.	1-1/2X1-1/4 PVC SCH80 FTG X S BUSHING	
			10 EA.	2X3/4 PVC SCH80 FTG X S BUSHING	
			10 EA.	2X1 PVC SCH80 FTG X S BUSHING	
			10 EA.	2X1-1/4 PVC SCH80 FTG XS BUSHING	
			10 EA.	2X1-1/2 PVC SCH80 FTG XS BUSHING	
			10 EA.	2-1/2X2 PVC SCH80 FTG XS BUSHING	
			10 EA.	3X2 PVC SCH80 FTG X S BUSHING	
			10 EA.	3X2-1/2 PVC SCH80 FTG XS BUSHING	
			10 EA.	4X2 PVC SCH80 FTG X S BUSHING	
			10 EA.	4X3 PVC SCH80 FTG X S BUSHING	
			10 EA.	6X4 PVC SCH80 FTG X S BUSHING	
			10 EA.	3/4 PVC SCH80 SLIP CAP	
			10 EA.	1 PVC SCH80 SXS CAP	
			10 EA.	1-1/2 PVC SCH80 SXS CAP	
			10 EA.	2 PVC SCH80 SLIP CAP	
			10 EA.	2-1/2 PVC SCH80 SLIP CAP	
			10 EA.	3 PVC SCH80 SLIP CAP	
			10 EA.	4 PVC SCH80 SLIP CAP	
			10 EA.	1/2 PVC SCH80 SXS COUPLING	
			10 EA.	3/4 PVC SCH80 SXS COUPLING	
			10 EA.	1 PVC SCH80 SXS COUPLING	
			10 EA.	1-1/4 PVC SCH80 SXS COUPLING	
			10 EA.	1-1/2 PVC SCH80 SXS COUPLING	
			10 EA.	2 PVC SCH80 SXS COUPLING	
			10 EA.	2-1/2 PVC SCH80 SXS COUPLING	
			10 EA.	3 PVC SCH80 SXS COUPLING	
			10 EA.	4 PVC SCH80 SXS COUPLING	
			10 EA.	6 PVC SCH80 SXS COUPLING	
			10 EA.	8 PVC SCH80 SXS COUPLING	
			10 EA.	3/4 PVC SCH80 SXF 90 ELBOW	
			10 EA.	1 PVC SCH80 SXF 90 ELBOW	
			10 EA.	1-1/2 PVC SCH80 SXF 90 ELBOW	
			10 EA.	2 PVC SCH80 SXF 90 ELBOW	
			10 EA.	1/2 PVC SCH80 SXF ADAPTOR	
			10 EA.	3/4 PVC SCH80 SXF ADAPTOR	
			10 EA.	1 PVC SCH80 SXF ADAPTOR	
			10 EA.	1-1/4 PVC SCH80 SXF ADAPTOR	
			10 EA.	1-1/2 PVC SCH80 SXF ADAPTOR	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	2 PVC SCH80 SXF ADAPTOR	
			10 EA.	2-1/2 PVC SCH80 SXF ADAPTOR	
			10 EA.	3 PVC SCH80 SXF ADAPTOR	
			10 EA.	4 PVC SCH80 SXF ADAPTOR	
			10 EA.	1/2X1/4 PVC SCH80 SXF BUSHING	
			10 EA.	3/4X1/2 PVC SCH80 SXF BUSHING	
			10 EA.	1X1/2 PVC SCH80 SXF BUSHING	
			10 EA.	1X3/4 PVC SCH80 SXF BUSHING	
			10 EA.	1-1/2X1 PVC SCH80 SXF BUSHING	
			10 EA.	1-1/2X1-1/4 PVC SCH80 SXF BUSHING	
			10 EA.	2X3/4 PVC SCH80 SXF BUSHING	
			10 EA.	2X1 PVC SCH80 SXF BUSHING	
			10 EA.	2X1-1/4 PVC SCH80 SXF BUSHING	
			10 EA.	2X1-1/2 PVC SCH80 SXF BUSHING	
			10 EA.	2-1/2X2 PVC SCH80 SXF BUSHING	
			10 EA.	3X2 PVC SCH80 SXF BUSHING	
			10 EA.	4X2 PVC SCH80 SXF BUSHING	
			10 EA.	1/2 PVC SCH80 SXM ADAPTOR	
			10 EA.	3/4 PVC SCH80 SXM ADAPTOR	
			10 EA.	1 PVC SCH80 SXM ADAPTOR	
			10 EA.	1-1/4 PVC SCH80 SXM ADAPTOR	
			10 EA.	1-1/2 PVC SCH80 SXM ADAPTOR	
			10 EA.	2 PVC SCH80 SXM ADAPTOR	
			10 EA.	2-1/2 PVC SCH80 SXM ADAPTOR	
			10 EA.	2-1/2 PVC SCH80 SXM ADAPTOR	
			10 EA.	3 PVC SCH80 SXM ADAPTOR	
			10 EA.	4 PVC SCH80 SXM ADAPTOR	
			10 EA.	1/2 PVC SCH80 SXSXS TEE	
			10 EA.	3/4 PVC SCH80 SXSXS TEE	
			10 EA.	1 PVC SCH80 SXSXS TEE	
			10 EA.	1-1/4 PVC SCH80 SXSXS TEE	
			10 EA.	1-1/2 PVC SCH80 SXSXS TEE	
			10 EA.	2 PVC SCH80 SXSXS TEE	
			10 EA.	2-1/2 PVC SCH80 SXSXS TEE	
			10 EA.	3 PVC SCH80 SXSXS TEE	
			10 EA.	4 PVC SCH80 SXSXS TEE	
			10 EA.	6 PVC SCH80 SXSXS TEE	
			10 EA.	1/2 PVC SCH80 SXS UNION	
			10 EA.	3/4 PVC SCH80 SXS UNION	
			10 EA.	1 PVC SCH80 SXS UNION	
			10 EA.	1-1/4 PVC SCH80 SXS UNION	
			10 EA.	1-1/2 PVC SCH80 SXS UNION	
			10 EA.	2 PVC SCH80 SXS UNION	
			10 EA.	2-1/2 PVC SCH80 SXS UNION	
			10 EA.	3 PVC SCH80 SXS UNION	
			10 EA.	4 PVC S80 SXS UNION	
			10 EA.	3/4 PVC SCH80 THRD 45 ELBOW	
			10 EA.	1 PVC SCH80 THRD 45 ELBOW	
			10 EA.	2 PVC SCH80 THRD 45 ELBOW	
			10 EA.	4 PVC SCH80 THRD 45 ELBOW	
			10 EA.	1/2 PVC SCH80 THRD 90 ELBOW	
			10 EA.	3/4 PVC SCH80 THRD 90 ELBOW	
			10 EA.	1 PVC SCH80 THRD 90 ELBOW	
			10 EA.	1-1/4 PVC SCH80 THRD 90 ELBOW	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	1-1/2 PVC SCH80 THRD 90 ELBOW	
			10 EA.	2 PVC SCH80 THRD 90 ELBOW	
			10 EA.	1/2X1/4 PVC SCH80 THRD BUSHING	
			10 EA.	3/4X1/4 PVC SCH80 THRD BUSHING	
			10 EA.	3/4X1/2 PVC SCH80 THRD BUSHING	
			10 EA.	1X3/4 PVC SCH80 THRD BUSHING	
			10 EA.	1-1/4X1 PVC SCH80 THRD BUSHING	
			10 EA.	1-1/2X1 PVC SCH80 THRD BUSHING	
			10 EA.	2X3/4 PVC SCH80 THRD BUSHING	
			10 EA.	2X1 PVC SCH80 THRD BUSHING	
			10 EA.	2X1 PVC SCH80 THRD BUSHING	
			10 EA.	2X1-1/4 PVC SCH80 THRD BUSHING	
			10 EA.	2X1-1/2 PVC SCH80 THRD BUSHING	
			10 EA.	2-1/2X2 PVC SCH80 THRD BUSHING	
			10 EA.	3X2 PVC SCH80 THRD BUSHING	
			10 EA.	4X3 PVC SCH80 THRD BUSHING	
			10 EA.	3/4 PVC SCH80 THRD CAP	
			10 EA.	1 PVC SCH80 THRD CAP	
			10 EA.	1-1/4 PVC SCH80 THRD CAP	
			10 EA.	1-1/2 PVC SCH80 THRD CAP	
			10 EA.	2 PVC SCH80 THRD CAP	
			10 EA.	1/2 PVC SCH80 THRD COUPLING	
			10 EA.	3/4 PVC SCH80 THRD COUPLING	
			10 EA.	1 PVC SCH80 THRD COUPLING	
			10 EA.	1-1/2 PVC SCH80 THRD COUPLING	
			10 EA.	2 PVC SCH80 THRD COUPLING	
			10 EA.	3/4 PVC SCH80 THRD PLUG	
			10 EA.	1 PVC SCH80 THRD PLUG	
			10 EA.	1-1/2 PVC SCH80 THRD PLUG	
			10 EA.	2 PVC SCH80 THRD PLUG	
			10 EA.	3/4 PVC SCH80 THRD TEE	
			10 EA.	1 PVC SCH80 THRD TEE	
			10 EA.	1-1/4 PVC SCH80 THRD TEE	
			10 EA.	1-1/2 PVC SCH80 THRD TEE	
			10 EA.	2 PVC SCH80 THRD TEE	
			10 EA.	3/4 PVC SCH80 THRD UNION	
			10 EA.	1 PVC SCH80 THRD UNION	
			10 EA.	1-1/4 PVC SCH80 THRD UNION	
			10 EA.	1-1/2 PVC SCH80 THRD UNION	
			10 EA.	2 PVC SCH80 THRD UNION	
			10 EA.	10 PVC SCH80 VAN STONE SOC FLANGE	
			10 EA.	12 PVC SCH80 VAN STONE SOC FLANGE	
			10 EA.	2 PVC SCH80 VAN STONE SOC FLANGE	
			10 EA.	3 PVC SCH80 VAN STONE SOC FLANGE	
			10 EA.	4 PVC SCH80 VAN STONE SOC FLANGE	
			10 EA.	6 PVC SCH80 VAN STONE SOC FLANGE	
			10 EA.	8 PVC SCH80 VAN STONE SOC FLANGE	
			10 EA.	1/2XCLOSE PVC SCH80 NIPPLE	
			10 EA.	1/2X3 PVC SCH80 NIPPLE	
			10 EA.	1/2X6 PVC SCH80 NIPPLE	
			10 EA.	3/4XCLOSE PVC SCH80 NIPPLE	
			10 EA.	3/4X2 PVC SCH80 NIPPLE	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	3/4X3 PVC SCH80 NIPPLE	
			10 EA.	3/4X4 PVC SCH80 NIPPLE	
			10 EA.	3/4X6 PVC SCH80 NIPPLE	
			10 EA.	1XCLOSE PVC SCH80 NIPPLE	
			10 EA.	1X3 PVC SCH80 NIPPLE	
			10 EA.	1X4 PVC SCH80 NIPPLE	
			10 EA.	1X6 PVC SCH80 NIPPLE	
			10 EA.	1-1/4XCLOSE PVC SCH80 NIPPLE	
			10 EA.	1-1/4X3 PVC SCH80 NIPPLE	
			10 EA.	1-1/4X4 PVC SCH80 NIPPLE	
			10 EA.	1-1/4X6 PVC SCH80 NIPPLE	
			10 EA.	1-1/2XCLOSE PVC SCH80 NIPPLE	
			10 EA.	1-1/2X3 PVC SCH80 NIPPLE	
			10 EA.	1-1/2X4 PVC SCH80 NIPPLE	
			10 EA.	1-1/2X6 PVC SCH80 NIPPLE	
			10 EA.	1-1/2X6 PVC SCH80 NIPPLE	
			10 EA.	2XCLOSE PVC SCH80 NIPPLE	
			10 EA.	2X3 PVC SCH80 NIPPLE	
			10 EA.	2X4 PVC SCH80 NIPPLE	
			10 EA.	2X6 PVC SCH80 NIPPLE	
			10 EA.	2X8 PVC SCH80 NIPPLE	
			10 EA.	3XCLOSE PVC SCH80 NIPPLE	
			10 EA.	3X4 PVC SCH80 NIPPLE	
			10 EA.	3X6 PVC SCH80 NIPPLE	
			10 EA.	4XCLOSE PVC SCH80 NIPPLE	
			10 EA.	4X6 PVC SCH80 NIPPLE	
				GRAND TOTAL (UNIT COST)	
SECTION 6				****MECHANICAL FITTINGS****	
			10 EA.	10 MJ C153 11-1/4 BEND L/A	
			10 EA.	12 MJ C153 11-1/4 BEND L/A	
			10 EA.	16 MJ C153 11-1/4 BEND L/A	
			10 EA.	20 MJ C153 11-1/4 BEND L/A	
			10 EA.	4 MJ C153 11-1/4 BEND L/A	
			10 EA.	6 MJ C153 11-1/4 BEND L/A	
			10 EA.	8 MJ C153 11-1/4 BEND L/A	
			10 EA.	10 MJ C153 22-1/2 BEND L/A	
			10 EA.	12 MJ C153 22-1/2 BEND L/A	
			10 EA.	14 MJ C153 22-1/2 BEND L/A	
			10 EA.	16 MJ C153 22-1/2 BEND L/A	
			10 EA.	3 MJ C153 22-1/2 BEND L/A	
			10 EA.	4 MJ C153 22-1/2 BEND L/A	
			10 EA.	6 MJ C153 22-1/2 BEND L/A	
			10 EA.	8 MJ C153 22-1/2 BEND L/A	
			10 EA.	10 MJ C153 45 BEND L/A	
			10 EA.	12 MJ C153 45 BEND L/A	
			10 EA.	14 MJ C153 45 BEND L/A	
			10 EA.	16 MJ C153 45 BEND L/A	
			10 EA.	18 MJ C153 45 BEND L/A	
			10 EA.	20 MJ C153 45 BEND L/A	
			10 EA.	24 MJ C153 45 BEND L/A	
			10 EA.	3 MJ C153 45 BEND L/A	
			10 EA.	4 MJ C153 45 BEND L/A	
			10 EA.	6 MJ C153 45 BEND L/A	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	8 MJ C153 45 BEND L/A	
			10 EA.	10 MJ C153 90 BEND L/A	
			10 EA.	12 MJ C153 90 BEND L/A	
			10 EA.	14 MJ C153 90 BEND L/A	
			10 EA.	16 MJ C153 90 BEND L/A	
			10 EA.	18 MJ C153 90 BEND L/A	
			10 EA.	20 MJ C153 90 BEND L/A	
			10 EA.	24 MJ C153 90 BEND L/A	
			10 EA.	3 MJ C153 90 BEND L/A	
			10 EA.	4 MJ C153 90 BEND L/A	
			10 EA.	6 MJ C153 90 BEND L/A	
			10 EA.	8 MJ C153 90 BEND L/A	
			10 EA.	3 MJXFLANGE C153 ADAPTOR L/A	
			10 EA.	4 MJXFLANGE C153 ADAPTOR L/A	
			10 EA.	6 MJXFLANGE C153 ADAPTOR L/A	
			10 EA.	8 MJXFLANGE C153 ADAPTOR L/A	
			10 EA.	10X6 LEMJ C153 RED L/A	
			10 EA.	10X8 LEMJ C153 RED L/A	
			10 EA.	12X10 LEMJ C153 RED L/A	
			10 EA.	12X6 LEMJ C153 RED L/A	
			10 EA.	12X8 LEMJ C153 RED L/A	
			10 EA.	4X3 LEMJ C153 RED L/A	
			10 EA.	6X3 LEMJ C153 RED L/A	
			10 EA.	6X4 LEMJ C153 RED L/A	
			10 EA.	8X4 LEMJ C153 RED L/A	
			10 EA.	8X6 LEMJ C153 RED L/A	
			16 EA.	10X12 MJ C153 LONG SLV L/A	
			16 EA.	12X12 MJ C153 LONG SLV L/A	
			16 EA.	14 MJ C153 LONG SLV L/A	
			16 EA.	16X15 MJ C153 LONG SLV L/A	
			16 EA.	18 MJ C153 LONG SLV L/A	
			16 EA.	20 MJ C153 LONG SLV L/A	
			16 EA.	24 MJ C153 LONG SLV L/A	
			16 EA.	3 MJ C153 LONG SLV L/A	
			16 EA.	4X12 MJ C153 LONG SLV L/A	
			16 EA.	6X12 MJ C153 LONG SLV L/A	
			16 EA.	8X12 MJ C153 LONG SLV L/A	
			10 EA.	10 MJXPE C153 45 BEND L/A	
			10 EA.	12 MJXPE C153 45 BEND L/A	
			10 EA.	3 MJXPE C153 45 BEND L/A	
			10 EA.	4 MJXPE C153 45 BEND L/A	
			10 EA.	6 MJXPE C153 45 BEND L/A	
			10 EA.	8 MJXPE C153 45 BEND L/A	
			10 EA.	10 MJXPE C153 90 BEND L/A	
			10 EA.	4 MJXPE C153 90 BEND L/A	
			10 EA.	6 MJXPE C153 90 BEND L/A	
			10 EA.	8 MJXPE C153 90 BEND L/A	
			10 EA.	10X4 MJ C153 RED L/A	
			10 EA.	10X6 MJ C153 RED L/A	
			10 EA.	10X8 MJ C153 RED L/A	
			10 EA.	12X10 MJ C153 RED L/A	
			10 EA.	12X4 MJ C153 RED L/A	
			10 EA.	12X6 MJ C153 RED L/A	
			10 EA.	12X8 MJ C153 RED L/A	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	16X12 MJ C153 RED L/A	
			10 EA.	16X6 MJ C153 RED L/A	
			10 EA.	16X8 MJ C153 RED L/A	
			10 EA.	4X3 MJ C153 RED L/A	
			10 EA.	6X3 MJ C153 RED L/A	
			10 EA.	6X4 MJ C153 RED L/A	
			10 EA.	8X4 MJ C153 RED L/A	
			10 EA.	8X6 MJ C153 RED L/A	
			10 EA.	10 MJ C153 SLD CAP L/A	
			10 EA.	12 MJ C153 SLD CAP L/A	
			10 EA.	16 MJ C153 SLD CAP L/A	
			10 EA.	3 MJ C153 SLD CAP L/A	
			10 EA.	4 MJ C153 SLD CAP L/A	
			10 EA.	6 MJ C153 SLD CAP L/A	
			10 EA.	8 MJ C153 SLD CAP L/A	
			10 EA.	10X4 SEMJ C153 RED L/A	
			10 EA.	10X6 SEMJ C153 RED L/A	
			10 EA.	10X8 SEMJ C153 RED L/A	
			10 EA.	12X10 SEMJ C153 RED L/A	
			10 EA.	12X4 SEMJ C153 RED L/A	
			10 EA.	12X6 SEMJ C153 RED L/A	
			10 EA.	12X8 SEMJ C153 RED L/A	
			10 EA.	12X8 SEMJ C153 RED L/A	
			10 EA.	16X10 SEMJ C153 RED L/A	
			10 EA.	16X12 SEMJ C153 RED L/A	
			10 EA.	16X8 SEMJ C153 RED L/A	
			10 EA.	4X3 SEMJ C153 RED L/A	
			10 EA.	6X3 SEMJ C153 RED L/A	
			10 EA.	6X4 SEMJ C153 RED L/A	
			10 EA.	8X4 SEMJ C153 RED L/A	
			10 EA.	8X6 SEMJ C153 RED L/A	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	6X13 MJ C153 SWVL HYD ADPT	
			10 EA.	10 MJ C153 SLD PLUG	
			10 EA.	12 MJ C153 SLD PLUG	
			10 EA.	16 MJ C153 SLD PLUG	
			10 EA.	24 MJ C153 SLD PLUG	
			10 EA.	3 MJ C153 SLD PLUG	
			10 EA.	4 MJ C153 SLD PLUG	
			10 EA.	6 MJ C153 SLD PLUG	
			10 EA.	8 MJ C153 SLD PLUG	
			10 EA.	10X6 MJ C153 SWVL TEE L/A	
			10 EA.	12X6 MJ C153 SWVL TEE L/A	
			10 EA.	16X6 MJ C153 SWVL TEE L/A	
			10 EA.	6 MJ C153 SWVL TEE L/A	
			10 EA.	8 MJ C153 SWVL TEE L/A	
			10 EA.	8X6 MJ C153 SWVL TEE L/A	
			10 EA.	10X2 MJ C153 TAP CAP L/A	
			10 EA.	12X2 MJ C153 TAP CAP L/A	
			10 EA.	14X2 MJ C153 TAP CAP L/A	
			10 EA.	16X2 MJ C153 TAP CAP L/A	
			10 EA.	20X2 MJ C153 TAP CAP L/A	
			10 EA.	3X2 MJ C153 TAP CAP L/A	
			10 EA.	4X2 MJ C153 TAP CAP L/A	
			10 EA.	4X3 MJ C153 TAP CAP L/A	
			10 EA.	6X2 MJ C153 TAP CAP L/A	
			10 EA.	6X4 MJ C153 TAP CAP L/A	
			10 EA.	8X2 MJ C153 TAP CAP L/A	
			10 EA.	8X3 MJ C153 TAP CAP L/A	
			10 EA.	10 MJ C153 TEE L/A	
			10 EA.	10X4 MJ C153 TEE L/A	
			10 EA.	10X6 MJ C153 TEE L/A	
			10 EA.	10X8 MJ C153 TEE L/A	
			10 EA.	12 MJ C153 TEE L/A	
			10 EA.	12X10 MJ C153 TEE L/A	
			10 EA.	12X4 MJ C153 TEE L/A	
			10 EA.	12X6 MJ C153 TEE L/A	
			10 EA.	12X8 MJ C153 TEE L/A	
			10 EA.	16 MJ C153 TEE L/A	
			10 EA.	3 MJ C153 TEE L/A	
			10 EA.	4 MJ C153 TEE L/A	
			10 EA.	4X3 MJ C153 TEE L/A	
			10 EA.	6 MJ C153 TEE L/A	
			10 EA.	6X3 MJ C153 TEE L/A	
			10 EA.	6X4 MJ C153 TEE L/A	
			10 EA.	8 MJ C153 TEE L/A	
			10 EA.	8X3 MJ C153 TEE L/A	
			10 EA.	8X4 MJ C153 TEE L/A	
			10 EA.	8X6 MJ C153 TEE L/A	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	10X2 MJ C153 TAP PLUG	
			10 EA.	12X2 MJ C153 TAP PLUG	
			10 EA.	16X2 MJ C153 TAP PLUG	
			10 EA.	3X2 MJ C153 TAP PLUG	
			10 EA.	4X2 MJ C153 TAP PLUG	
			10 EA.	6X2 MJ C153 TAP PLUG	
			10 EA.	8X2 MJ C153 TAP PLUG	
			10 EA.	3 MJ C153 WYE L/A	
			10 EA.	4 MJ C153 WYE L/A	
			10 EA.	4X3 MJ C153 WYE L/A	
			10 EA.	6 MJ C153 WYE L/A	
			10 EA.	6X4 MJ C153 WYE L/A	
			10 EA.	8 MJ C153 WYE L/A	
			10 EA.	8X4 MJ C153 WYE L/A	
			10 EA.	8X6 MJ C153 WYE L/A	
				GRAND TOTAL (UNIT COST)	
SECTION 7				****FLANGE FITTINGS****	
			10 EA.	10 DI 125# BLIND FLANGE	
			10 EA.	12 DI 125# BLIND FLANGE	
			10 EA.	3 DI 125# BLIND FLANGE	
			10 EA.	4 DI 125# BLIND FLANGE	
			10 EA.	6 DI 125# BLIND FLANGE	
			10 EA.	8 DI 125# BLIND FLANGE	
			10 EA.	2 DI 125# THRD COMP FLNG F/ STL	
			10 EA.	3 DI 125# THRD COMP FLNG F/ STL	
			10 EA.	4 DI 125# THRD COMP FLNG F/ STL	
			10 EA.	6 DI 125# THRD COMP FLNG F/ STL	
			10 EA.	10 DI 125# FLANGE 45 BEND	
			10 EA.	12 DI 125# FLANGE 45 BEND	
			10 EA.	3 DI 125# FLANGE 45 BEND	
			10 EA.	4 DI 125# FLANGE 45 BEND	
			10 EA.	6 DI 125# FLANGE 45 BEND	
			10 EA.	8 DI 125# FLANGE 45 BEND	
			10 EA.	10 DI 125# FLANGE 90 BEND	
			10 EA.	12 DI 125# FLANGE 90 BEND	
			10 EA.	16 DI 125# FLANGE 90 BEND	
			10 EA.	3 DI 125# FLANGE 90 BEND	
			8 EA.	4 DI 125# FLANGE 90 BEND	
			8 EA.	6 DI 125# FLANGE 90 BEND	
			6 EA.	8 DI 125# FLANGE 90 BEND	
			10 EA.	10X8 DI 125# FLANGE CONC RED	
			10 EA.	4X3 DI 125# FLANGE CONC RED	
			10 EA.	6X4 DI 125# FLANGE CONC RED	
			10 EA.	8X6 DI 125# FLANGE CONC RED	
			10 EA.	10 DI 125# FLANGE TEE	
			10 EA.	3 DI 125# FLANGE TEE	
			10 EA.	4 DI 125# FLANGE TEE	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	4X3 DI 125# FLANGE TEE	
			10 EA.	6 DI 125# FLANGE TEE	
			10 EA.	6X4 DI 125# FLANGE TEE	
			10 EA.	8 DI 125# FLANGE TEE	
			10 EA.	8X4 DI 125# FLANGE TEE	
			10 EA.	8X6 DI 125# FLANGE TEE	
			10 EA.	10X2 DI 125# TAP BLIND FLANGE	
			10 EA.	3X2 DI 125# TAP BLIND FLANGE	
			10 EA.	4X2 DI 125# TAP BLIND FLANGE	
			10 EA.	6X2 DI 125# TAP BLIND FLANGE	
			10 EA.	6X3 DI 125# TAP BLIND FLANGE	
			10 EA.	8X2 DI 125# TAP BLIND FLANGE	
				GRAND TOTAL (UNIT COST)	
SECTION 8				****GATE VALVES ****	
			10 EA.	4 FLANGE RW DI OL GATE VALVE - NRS	
			10 EA.	4 MJ RW DI OL GATE VALVE L/A	
			10 EA.	4 MJ RW DI OL TAPN VALVE L/A	
			10 EA.	6 FLANGE RW DI OL GATE VALVE - NRS	
			10 EA.	6 MJ RW DI OL GATE VALVE L/A	
			10 EA.	8 FLANGE RW DI OL GATE VALVE - NRS	
			10 EA.	8 MJ RW DI OL GATE VALVE W/A	
			10 EA.	8 MJ RW DI OL TAPN VALVE L/A	
			10 EA.	10 FLANGE RW DI OL GATE VALVE - NRS	
			10 EA.	10 MJ RW DI OL GATE VALVE L/A	
			10 EA.	12 MJ RW DI OL GATE VALVE L/A	
			10 EA.	16 MJ RW DI OL GATE VALVE L/A	
			10 EA.	2 THRD RW OL GATE VALVE	
			10 EA.	3 FLANGE RW OL GATE VALVE - NRS	
			10 EA.	3 MJ RW OL GATE VALVE L/A	
			10 EA.	3" FLG RW OL GATE VLV - OSY	
			10 EA.	4" FLG RW OL GATE VLV - OSY	
			10 EA.	6" FLG RW OL GATE VLV - OSY	
			10 EA.	8" FLG RW OL GATE VLV - OSY	
			10 EA.	10" FLG RW OL GATE VLV - OSY	
				GRAND TOTAL (UNIT COST)	
SECTION 9				****METER BOXES****	
			100 EA.	QUAZITE PG1118BB12 BOX	
			100 EA.	QUAZITE PG1118WAP1 COVER	
			100 EA.	CDR WB00-1118-12 BOX	
			100 EA.	CDR WC00-1118-2C COVER	
			100 EA.	QUAZITE PG1730BB12 BOX	
			100 EA.	QUAZITE PG1730WAP1 COVER	
			100 EA.	CDR WB-1730-12 BOX	
			100 EA.	CDR WC00-1730-2C COVER	
			100 EA.	QUAZITE PG1015WAR.1	
			100 EA.	CDR R-1071-2C	
			100 EA.	QUAZITE PG1730WAP1	
			100 EA.	CDR WC00-1730-2C	
				GRAND TOTAL (UNIT COST)	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
SECTION 10				***HYDRANTS AND ASSEMBLIES***	
			10 EA.	5-1/4 VO HYD 3" BURY	
			10 EA.	5-1/4 VO HYD 4" BURY OL L/A	
			10 EA.	5-1/4 VO HYD 4" BURY OL L/A	
			10 EA.	6 HYD EXT 5-1/4	
			10 EA.	12 HYD EXT 5-1/4	
			10 EA.	18 HYD EXT 5-1/4	
			10 EA.	24 HYD EXT 5-1/4	
			10 EA.	30 HYD EXT 5-1/2	
				GRAND TOTAL (UNIT COST)	
SECTION 11				***METER ASSEMBLY PARTS***	
			10 EA.	3/4 INS STIFFENER F/ CTS	
			10 EA.	1 INS STIFFENER F/ CTS	
			10 EA.	1-1/2 INS STIFFENER F/ CTS	
			10 EA.	2 INS STIFFENER F/ CTS	
			10 EA.	3/4 FIP X FIP BALL CURB ST LW	
			10 EA.	1 FIP X FIP BALL CURB ST LW	
			10 EA.	1-1/2 FIP X FIP BALL CURB ST LW	
			10 EA.	2 FIP X FIP BALL CURB ST LW	
			10 EA.	3/4 CTS COMP X FIP BALL CURB LW	
			10 EA.	1 CTS COMP X 3/4 FIP BALL CURB LW	
			10 EA.	1 CTS COMP X FIP BALL CURB LW	
			10 EA.	1-1/2 CTS COMP X FIP BALL CURB LW	
			10 EA.	2 CTS COMP X FIP BALL CURB LW	
			10 EA.	2 CTS GRIP COMP X FIP BALL CURB	
			10 EA.	3/4 CTS COMP X MTR STR BV LW	
			10 EA.	3/4 CTS GRIP X MTR BALL CURB LW	
			10 EA.	1 CTS COMP X 3/4 MTR BALL CURB LW	
			10 EA.	1 CTS X 3/4 GRIP MTR BALL CURB LW	
			10 EA.	1 CTS COMP X MTR STR BALL CURB LW	
			10 EA.	1 CTS GRIP X MTR BALL CURB LW	
			10 EA.	1 CTS COMP X MTR STR BALL CURB LW	
			10 EA.	3/4 CTS X CTS SERVICE VALVE	
			10 EA.	1 CTS COMPXCOMP BALL CURB ST	
			10 EA.	1-1/2 FIP X MTR STR BV LW	
			10 EA.	2 FIP X MTR STR BV LW	
			10 EA.	1-1/2 PVC COMP X MTR FLNG BALL CURB	
			10 EA.	2 PVC COMP X MTR FLANGE STR BV	
			10 EA.	1-1/2 FIP X MTR FLANGE ANG BV	
			10 EA.	3/4 FCT X CTS GRIP COUPLING	
			10 EA.	3/4 FIP X CTS COMP COUPLING	
			10 EA.	3/4 FIP X CTS GRIP COMP COUPLING	
			10 EA.	3/4 FIP X 1 CTS COMP COUPLING	
			10 EA.	1 FIP X CTS COMP COUPLING	
			10 EA.	1 FIP X CTS GRIP COMP COUPLING	
			10 EA.	1-1/2 FIP X CTS COMP COUPLING	
			10 EA.	1-1/2 FIP X 2 CPJ COUPLING	
			10 EA.	2 FIP X CTS COMP COUPLING	
			10 EA.	2 FIP X CTS GRIP COMP COUPLING	
			10 EA.	3/4X2-1/2 MIP STR MTR COUPLING	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	1X2-5/8 MIP STR MTR COUPLING	
			10 EA.	1-1/2X2-7/8 MIP STR MTR COUPLING	
			10 EA.	2X3-1/16 MIP STR MTR COUPLING	
			10 EA.	3/4 CTS COMP X CTS COMP COUPLING	
			10 EA.	3/4 CTS X CTS GRIP COMP COUPLING	
			10 EA.	3/4 CTS COMP X 1 CTS COMP COUPLING	
			10 EA.	3/4 CTS X 1 CTS GRIP COUPLING	
			10 EA.	1 CTS X CTS COMP COUPLING	
			10 EA.	1-1/2 CTS COMP X CTS COMP COUPLING	
			10 EA.	2 CTS COMP X CTS COMP COUPLING	
			10 EA.	1 CTS X PVC COMP COUPLING	
			10 EA.	1 PE COMP X PE COMP COUPLING	
			10 EA.	2 PVC X PVC COMP COUPLING	
			10 EA.	3/4 MIP X CTS COMP COUPLING	
			10 EA.	3/4 MIP X CTS GRIP COMP COUPLING	
			10 EA.	3/4 MIP X 1 CTS COMP COUPLING	
			10 EA.	1 MIP X 3/4 CTS COMP COUPLING	
			10 EA.	1 MIP X 1 CTS COMP COUPLING	
			10 EA.	1 MIP X 1 CTS GRIP COMP COUPLING	
			10 EA.	1-1/2 MIP X CTS COMP COUPLING	
			10 EA.	2 MIP X CTS COMP COUPLING	
			10 EA.	2 MIP X CTS GRIP COMP COUPLING	
			10 EA.	1 MIP X PE COMP COUPLING	
			10 EA.	1 MIP X PVC COMP COUPLING	
			10 EA.	2 MIP X IPS COMP COUPLING	
			10 EA.	1-1/2 FLANGE X 1-1/2 FIP BRZ MTR FLANGE	
			10 EA.	2 FIP BRZ MTR FLANGE	
			10 EA.	2 LOCK PK MTR COUPLING	
			10 EA.	5/8X3/4 MTR YOKE EXP CONN	
			10 EA.	1 CC X CTS COMP CORP ST	
			10 EA.	3/4 MIP X CTS COMP CORP ST	
			10 EA.	3/4 MIP X CTS GRIP CORP ST	
			10 EA.	1 MIP X CTS COMP CORP ST	
			10 EA.	1 MIP X CTS GRIP CORP ST	
			10 EA.	1 MIP X PE COMP CORP ST	
			10 EA.	1 MIP X PVC CORP ST	
			10 EA.	3/4 MIP X FIP CORP ST	
			10 EA.	1 MIP X FIP CORP ST	
			10 EA.	3/4 MIP X MIP CORP ST	
			10 EA.	1 MIP X MIP CORP ST	
			10 EA.	1 MIP X CTS COMP BALLCORP ST	
			10 EA.	1-1/2 MIP X CTS COMP BALLCORP ST	
			10 EA.	2 MIP X CTS COMP BALLCORP ST	
			10 EA.	1 MIP X PVC COMP BALLCORP ST	
			10 EA.	1-1/2 MIP X PVC COMP BALLCORP ST	
			10 EA.	2 MIP X PVC COMP BALLCORP ST	
			10 EA.	1 MIP X FIP BALLCORP ST	
			10 EA.	1-1/2 MIP X FIP BALLCORP ST	
			10 EA.	2 MIP X FIP BALLCORP ST	
			10 EA.	1 MIP X MIP BALLCORP ST	
			10 EA.	1-1/2 MIP X MIP BALLCORP ST	
			10 EA.	3/4 CTS COMP 90 BEND	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	2 CTS COMP 90 BEND	
			10 EA.	3/4 CTS COMP TEE	
			10 EA.	3/4 CTS GRIP TEE	
			10 EA.	1 CTS COMP TEE	
			10 EA.	1-1/2 CTS COMP TEE	
			10 EA.	2 CTS COMP TEE	
			10 EA.	1 PE COMP TEE	
			10 EA.	2X1 FIP MULTI SERVICE WYE	
			10 EA.	1X3/4 CTS COMP WYE BRCH	
			10 EA.	1X3/4 CTS GRIP WYE BRCH	
			10 EA.	1-1/2X1 CTS COMP WYE BRCH	
			10 EA.	2X1 CTS COMP WYE BRCH	
			10 EA.	10X15 SS REP CLMP 10.64-11.04	
			10 EA.	12X15 SS REP CLMP 13.10-13.50	
			10 EA.	2X7-1/2 SS REP CLMP 2.35-2.63	
			10 EA.	3X10 SS REP CLMP 3.46-3.70	
			10 EA.	4X10 SS REP CLMP 4.45-4.73	
			10 EA.	4X15 SS REP CLMP 4.45-4.73	
			10 EA.	4X15 SS REP CLMP 4.74-5.14	
			10 EA.	6X15 SS REP CLMP 6.56-6.96	
			10 EA.	6X15 SS REP CLMP 6.84-7.24	
			10 EA.	8X15 SS REP CLMP 8.54-8.94	
			10 EA.	8X12-1/2 SS REP CLMP 8.99-9.39	
			10 EA.	8X15 SS REP CLMP 8.99-9.39	
			10 EA.	10X3/4 IP DBL STRP SDL IPS PVC	
			10 EA.	10X3/4 IP DBL STRP SDL PVC DI	
			10 EA.	10X1 IP DBL STRP SDL PVC DI	
			10 EA.	10X1-1/2 IP DBL STRP SDL PVC DI	
			10 EA.	10X2 IP DBL STRP SDL PVC DI	
			10 EA.	10X1 IP DBL STRP SDL DI AC	
			10 EA.	10X2 IP DBL STRP SDL DI AC	
			10 EA.	12X3/4 IP DBL STRP SDL PVC DI	
			10 EA.	12X1 IP DBL STRP SDL PVC DI	
			10 EA.	12X1-1/2 IP DBL STRP SDL PVC DI	
			10 EA.	12X2 IP DBL STRP SDL PVC DI	
			10 EA.	12X1 IP DBL STRP SDL DI AC	
			10 EA.	12X2 IP DBL STRP SDL DI AC	
			10 EA.	14X1 IP DBL STRP SDL PVC DI	
			10 EA.	16X1 IP DBL STRP SDL DI	
			10 EA.	16X2 IP DBL STRP SDL DI	
			10 EA.	2X1 IP DBL STRP SDL IPS PVC	
			10 EA.	3X1 IP DBL STRP SDL IPS PVC	
			10 EA.	3X2 IP DBL STRP SDL IPS PVC	
			10 EA.	4X1 IP DBL STRP SDL IPS PVC	
			10 EA.	4X1-1/2 IP DBL STRP SDL IPS PVC	
			10 EA.	4X3/4 IP DBL STRP SDL PVC DI	
			10 EA.	4X1 IP DBL STRP SDL PVC DI	
			10 EA.	4X1-1/2 IP DBL STRP SDL PVC DI	
			10 EA.	4X2 IP DBL STRP SDL PVC DI	
			10 EA.	4X1 IP DBL STRP SDL DI AC	
			10 EA.	4X2 IP DBL STRP SDL DI AC	
			10 EA.	6X3/4 IP DBL STRP SDL PVC DI	
			10 EA.	6X1 IP DBL STRP SDL PVC DI	
			10 EA.	6X1-1/2 IP DBL STRP SDL PVC DI	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	6X2 IP DBL STRP SDL PVC DI	
			10 EA.	6X1 IP DBL STRP SDL DI AC	
			10 EA.	6X2 IP DBL STRP SDL DI AC	
			10 EA.	8X1 IP DBL STRP SDL IPS PVC	
			10 EA.	8X1-1/2 IP DBL STRP SDL IPS PVC	
			10 EA.	8X2 IP DBL STRP SDL IPS PVC	
			10 EA.	8X1 CC DBL STRP SDL PVC DI	
			10 EA.	8X3/4 IP DBL STRP SDL PVC DI	
			10 EA.	8X1 IP DBL STRP SDL PVC DI	
			10 EA.	8X1-1/2 IP DBL STRP SDL PVC DI	
			10 EA.	8X2 IP DBL STRP SDL PVC DI	
			10 EA.	8X1 IP DBL STRP SDL DI AC	
			10 EA.	8X2 IP DBL STRP SDL DI AC	
			10 EA.	3/4 BRZ 125# IPS CHK VALVE	
			10 EA.	1 BRZ 125# IPS CHK VALVE	
			10 EA.	2 BRZ 125# IPS CHK VALVE	
			10 EA.	3/4 PVC IPS COMP COUPLING	
			10 EA.	1 PVC IPS COMP COUPLING	
			10 EA.	1-1/4 PVC IPS COMP COUPLING	
			10 EA.	1-1/2 PVC IPS COMP COUPLING	
			10 EA.	2 PVC IPS COMP COUPLING	
			10 EA.	2-1/2 PVC IPS COMP COUPLING	
			10 EA.	3 PVC IPS COMP COUPLING	
			10 EA.	4 PVC IPS COMP COUPLING	
			10 EA.	6 PVC IPS COMP COUPLING	
			10 EA.	3/4 SW PVC 1PC BV	
			10 EA.	1 SW PVC 1PC BV	
			10 EA.	1-1/2 SW PVC 1PC BV	
			10 EA.	2 SW PVC 1PC BV	
			10 EA.	3/4 BRZ 200# IPS WOG GATE VALVE	
			10 EA.	1 BRZ 200# IPS WOG GATE VALVE	
			10 EA.	1-1/2 BRZ 200# IPS WOG GATE VALVE	
			10 EA.	2 BRZ 200# IPS WOG GATE VALVE	
			10 EA.	3 BRZ 200# IPS WOG GATE VALVE	
			10 EA.	4 BRZ 200# IPS WOG GATE VALVE	
			10 EA.	1/2 BRZ IPS HOSE BIBB	
			10 EA.	3/4 BRZ IPS HOSE BIBB	
			10 EA.	1/2 BRZ 400# WOG IPS BV	
			10 EA.	3/4 BRZ 400# WOG IPS BV	
			10 EA.	1 BRZ 400# WOG IPS BV	
			10 EA.	1-1/4 BRZ 400# WOG IPS BV	
			10 EA.	1-1/2 BRZ 400# WOG IPS BV	
			10 EA.	2 BRZ 400# WOG IPS BV	
			10 EA.	4 BRZ 400# WOG IPS BV	
				GRAND TOTAL (UNIT COST)	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
SEWER					
SECTION 12				****PLUG VALVES****	
			10 EA.	10 CI FLANGE NON LUB PLUG VALVE	
			6 EA.	4 CI FLANGE NON LUB PLUG VALVE	
			6 EA.	6 CI FLANGE NON LUB PLUG VALVE	
			4 EA.	8 CI FLANGE NON LUB PLUG VALVE	
			1 EA.	16 MJ NON LUB PLUG VALVE	
			10 EA.	10 MJ NON LUB PLUG VALVE L/A	
			2 EA.	12 MJ NON LUB PLUG VALVE L/A	
			10 EA.	3 MJ NON LUB PLUG VALVE L/A	
			3 EA.	4 MJ NON LUB PLUG VALVE L/A	
			3 EA.	6 MJ NON LUB PLUG VALVE L/A	
			2 EA.	8 MJ NON LUB PLUG VALVE L/A	
			1 EA.	4 CI FLANGE 3 WAY NON LUB PLUG VALVE	
			1 EA.	6 CI FLANGE 3 WAY NON LUB PLUG VALVE	
				GRAND TOTAL (UNIT COST)	
SECTION 13				**TRANSITION & FLEXIBLE COUPLINGS**	
			4 EA.	10 CLAY X 10 CI PVC COUPLING	
			4 EA.	12 CLAY X 12 CI PVC COUPLING	
			20 EA.	4 CLAY X 4 CI PVC COUPLING	
			6 EA.	4 CLAY X 6 CI PVC COUPLING	
			15 EA.	6 CLAY X 4 CI PVC COUPLING	
			15 EA.	6 CLAY X 6 CI PVC COUPLING	
			6 EA.	8 CLAY X 6 CI PVC COUPLING	
			6 EA.	8 CLAY X 8 CI PVC COUPLING	
			8 EA.	4 AC DI X 4 CI PVC COUPLING	
			8 EA.	6 AC DI X 6 CI PVC COUPLING	
			8 EA.	8 AC DI X 8 CI PVC COUPLING	
			4 EA.	10 CI PVC X 10 CI PVC COUPLING	
			4 EA.	12 CI PVC X 12 CI PVC COUPLING	
			8 EA.	3 CI PVC X 3 CI PVC COUPLING	
			6 EA.	4 CI PVC X 3 CI PVC COUPLING	
			50 EA.	4 CI PVC X 4 CI PVC COUPLING	
			6 EA.	6 CI PVC X 4 CI PVC COUPLING	
			6 EA.	6 CI PVC X 6 CI PVC COUPLING	
			8 EA.	8 CI PVC X 6 CI PVC COUPLING	
			8 EA.	8 CI PVC X 8 CI PVC COUPLING	
			8 EA.	6 CLAY X 6 CI PVC COUPLING	
			6 EA.	8 CI PVC X 8 CI PVC COUPLING	
				GRAND TOTAL (UNIT COST)	
SECTION 14				****SEWER FITTINGS****	
			12 EA.	4 PVC SWR REC THRD CO PLUG	
			12 EA.	6 PVC SWR REC THRD CO PLUG	
			12 EA.	4 PVC SWR SPGT X DWV HUB ADAPTOR	
			12 EA.	6 PVC SWR SPGT X DWV HUB ADAPTOR	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	8 PVC SWR SPGT X DWV HUB ADAPTOR	
			8 EA.	4 PVC SWR HUB FEM CO ADAPTOR	
			8 EA.	6 PVC SWR HUB FEM CO ADAPTOR	
			10 EA.	8 PVC SWR HUB FEM CO ADAPTOR	
			12 EA.	4 PVC SWR RH THRD CO PLUG	
			12 EA.	6 PVC SWR RH THRD CO PLUG	
			10 EA.	8 PVC SWR RH THRD CO PLUG	
			10 EA.	10 PVC SWR PLUG	
			10 EA.	12 PVC SWR PLUG	
			10 EA.	15 PVC SWR PLUG	
			12 EA.	4 PVC SWR PLUG	
			12 EA.	6 PVC SWR PLUG	
			12 EA.	8 PVC SWR PLUG	
			10 EA.	10X4 PVC SWR SXG BUSHING	
			10 EA.	10X6 PVC SWR SXG BUSHING	
			10 EA.	10X8 PVC SWR SXG BUSHING	
			10 EA.	12X10 PVC SWR SXG BUSHING	
			10 EA.	12X6 PVC SWR SXG BUSHING	
			10 EA.	12X8 PVC SWR SXG BUSHING	
			10 EA.	6X4 PVC SWR SXG BUSHING	
			10 EA.	6X4 PVC SWR SXG BUSHING	
			10 EA.	8X4 PVC SWR SXG BUSHING	
			10 EA.	8X6 PVC SWR SXG BUSHING	
			4 EA.	4 PVC SWR TEMPORARY PLUG	
			4 EA.	6 PVC SWR TEMPORARY PLUG	
			10 EA.	8 PVC SWR TEMPORARY PLUG	
			10 EA.	6 PVC HW SWR 22-1/2 ELBOW GXG	
			15 EA.	4 PVC HW SWR GXG 45 BEND	
			15 EA.	6 PVC HW SWR GXG 45 BEND	
			15 EA.	8 PVC HW SWR GXG 45 BEND	
			10 EA.	4 PVC HW SWR GXG 90 BEND	
			10 EA.	6 PVC HW SWR GXG 90 BEND	
			10 EA.	8 PVC HW SWR GXG 90 BEND	
			25 EA.	6 PVC HW SWR GXG DBL WYE	
			25 EA.	6X4 PVC HW SWR GXG DBL WYE	
			8 EA.	6 PVC HW SWR GXG REP COUPLING	
			8 EA.	8 PVC HW SWR GXG REP COUPLING	
			25 EA.	4 PVC SWR HW 22-1/2 ELBOW SXG	
			25 EA.	6 PVC HW SWR 22-1/2 ELBOW SXG	
			25 EA.	4 PVC HW SWR GXG 45 BEND	
			15 EA.	6 PVC HW SWR GXG 45 BEND	
			10 EA.	8 PVC HW SWR GXG 45 BEND	
			10 EA.	6 PVC SWR GXG 90 BEND HVY WALL	
			10 EA.	8 PVC HW SWR GXGXG TEE	
			10 EA.	6 PVC HW SWR GXGXG TEE WYE	
			4 EA.	8 PVC HW SWR GXGXG TEE WYE	
			10 EA.	8X4 PVC HW SWR GXGXG TEE WYE	
			10 EA.	8X6 PVC HW SWR GXGXG TEE WYE	
			10 EA.	10X6 PVC HW SWR GXGXG WYE	
			10 EA.	12X6 PVC HW SWR GXGXG WYE	
			25 EA.	4 PVC HW SWR 45 WYE GXGXG	
			25 EA.	6 PVC HW SWR GXGXG WYE	
			25 EA.	6X4 PVC HW SWR GXGXG WYE	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	8 PVC HW SWR GXGXG WYE	
			10 EA.	8X4 PVC HW SWR GXGXG WYE	
			12 EA.	8X6 PVC HW SWR GXGXG WYE	
				GRAND TOTAL (UNIT COST)	
SECTION 15				**EPOXY LINED FLANGE FITTINGS**	
			10 EA.	4 FLANGE EPOX LINED 45 BEND	
			10 EA.	4 FLANGE EPOX LINED 90 BEND	
			10 EA.	6 FLANGE EPOX LINED 90 BEND	
			10 EA.	8 FLANGE EPOX LINED 90 BEND	
			10 EA.	6X4 FLANGE EPOX LINED CONC RED	
			10 EA.	4 FLANGE EPOX LINED TEE	
			10 EA.	6 FLANGE EPOX LINED TEE	
			10 EA.	6X4 FLANGE EPOX LINED TEE	
			10 EA.	8 FLANGE POLYLINED TEE	
			10 EA.	8X6 FLANGE POLYLINED TEE	
				GRAND TOTAL (UNIT COST)	
SECTION 16				** EPOXY LINED MECHANICAL JOINT FITTINGS**	
			6 EA.	6 MJ C153 EPOX LINED 11-1/4 L/A	
			6 EA.	10 MJ C153 EPOX LINED 22-1/2 L/A	
			6 EA.	4 MJ C153 EPOX LINED 22 L/A	
			6 EA.	6 MJ C153 EPOX LINED 22-1/2 L/A	
			6 EA.	8 MJ C153 EPOX LINED 22-1/2 L/A	
			6 EA.	10 MJ C153 EPOX LINED 45 L/A	
			6 EA.	12 MJ C153 EPOX LINED 45 L/A	
			6 EA.	16 MJ C153 EPOX LINED 45 L/A	
			6 EA.	3 MJ C153 EPOX LINED 45 L/A	
			6 EA.	4 MJ C153 EPOX LINED 45 L/A	
			6 EA.	6 MJ C153 EPOX LINED 45 L/A	
			6 EA.	8 MJ C153 EPOX LINED 45 L/A	
			6 EA.	10 MJ C153 EPOX LINED 90 L/A	
			6 EA.	12 MJ C153 EPOX LINED 90 L/A	
			6 EA.	4 MJ C153 EPOX LINED 90 L/A	
			6 EA.	6 MJ C153 EPOX LINED 90 L/A	
			6 EA.	8 MJ C153 EPOX LINED 90 L/A	
			6 EA.	12 MJ C153 EPOX LONG SLV L/A	
			6 EA.	4 MJ C153 EPOX LONG SLV L/A	
			6 EA.	6 MJ C153 EPOX LONG SLV L/A	
			6 EA.	6X4 MJ C153 EPOX LINED RED L/A	
			6 EA.	8X6 MJ C153 EPOX LINED RED L/A	
			6 EA.	4 MJ C153 EPOX LINED TEE L/A	
			6 EA.	4X3 MJ C153 EPOX LINED TEE L/A	
			6 EA.	6 MJ C153 EPOX LINED TEE	
			6 EA.	8 MJ C153 EPOX LINED TEE L/A	
			6 EA.	8X4 MJ C153 EPOX LINED TEE L/A	
			6 EA.	4 MJ C153 EPOX LINED WYE L/A	
			6 EA.	6 MJ C153 EPOX LINED WYE L/A	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			6 EA.	6X4 MJ C153 EPOX LINED WYE L/A	
			6 EA.	8 MJ C153 EPOX LINED WYE L/A	
			6 EA.	8X4 MJ C153 EPOX LINED WYE L/A	
			6 EA.	8X6 MJ C153 EPOX LINED WYE L/A	
				GRAND TOTAL (UNIT COST)	
PIPE					
SECTION 17				****SCH 40 PIPE****	
			10 EA.	1/2 X 20 FT PVC SCH40 PIPE	
			10 EA.	3/4 X 20 FT PVC SCH40 PIPE	
			10 EA.	1 X 20 FT PVC SCH40 PIPE	
			10 EA.	1-1/4 X 20 FT PVC SCH40 PIPE	
			10 EA.	1-1/2 X 20 FT PVC SCH40 PIPE	
			10 EA.	2 X 20 FT PVC SCH40 PIPE	
			10 EA.	2-1/2 X 20 FT PVC SCH40 PIPE	
			10 EA.	3 X 20 FT PVC SCH40 PIPE	
			10 EA.	4 X 20 FT PVC SCH40 PIPE	
			10 EA.	6 X 20 FT PVC SCH40 PIPE	
			10 EA.	8 X 20 FT PVC SCH40 PIPE	
				GRAND TOTAL (UNIT COST)	
SECTION 18				****SCH 80 PIPE****	
			10 EA.	1/2 X 20 FT PVC SCH80 PIPE	
			10 EA.	3/4 X 20 FT PVC SCH80 PIPE	
			10 EA.	1 X 20 FT PVC SCH80 PIPE	
			10 EA.	1-1/4 X 20 FT PVC SCH80 PIPE	
			10 EA.	1-1/2 X 20 FT PVC SCH80 PIPE	
			10 EA.	2 X 20 FT PVC SCH80 PIPE	
			10 EA.	2-1/2 X 20 FT PVC SCH80 PIPE	
			10 EA.	3 X 20 FT PVC SCH80 PIPE	
			10 EA.	4 X 20 FT PVC SCH80 PIPE	
			10 EA.	6 X 20 FT PVC SCH80 PIPE	
			10 EA.	8 X 20 FT PVC SCH80 PIPE	
				GRAND TOTAL (UNIT COST)	
SECTION 19				****PVC PIPE****	
			8 EA.	10 C900 DR14 CL200 PVC GJ PIPE	
			8 EA.	12 C900 DR14 CL200 PVC GJ PIPE	
			8 EA.	4 C900 DR14 CL200 PVC GJ PIPE	
			8 EA.	6 C900 DR14 CL200 PVC GJ PIPE	
			8 EA.	8 C900 DR14 CL200 PVC GJ PIPE	
			8 EA.	10 C900 DR18 CL150 PVC GREEN PIPE	
			8 EA.	12 C900 DR18 CL150 PVC GREEN PIPE	
			8 EA.	20 C900 DR18 CL150 PVC GREEN PIPE	
			8 EA.	24 C900 DR18 CL150 PVC GREEN PIPE	
			8 EA.	30 C900 DR18 CL150 PVC GREEN PIPE	
			8 EA.	16 C905 DR18 CL235 PVC GREEN PIPE	
			8 EA.	4 C900 DR18 CL150 PVC GREEN PIPE	
			8 EA.	6 C900 DR18 CL150 PVC GREEN PIPE	
			8 EA.	8 C900 DR18 CL150 PVC GREEN PIPE	
			10 EA.	10 C900 DR18 CL150 PVC GJ PIPE	
			10 EA.	12 C900 DR18 CL150 PVC GJ PIPE	
			10 EA.	14 C905 DR18 CL235 PVC GJ PIPE	
			10 EA.	16 C905 DR18 CL235 PVC GJ PIPE	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	18 C905 DR18 CL235 PVC GJ PIPE	
			10 EA.	20 C905 DR18 CL235 PVC GJ PIPE	
			10 EA.	4 C900 DR18 CL150 PVC GJ PIPE	
			10 EA.	10 C900 DR18 CL150 PVC PURP PIPE	
			10 EA.	12 C900 DR18 CL150 PVC PURP PIPE	
			10 EA.	16 C905 DR18 CL235 PVC PURP PIPE	
			10 EA.	20 C905 DR18 CL235 PVC PURP PIPE	
			10 EA.	4 C900 DR18 CL150 PVC PURP PIPE	
			10 EA.	6 C900 DR18 CL150 PVC PURP PIPE	
			10 EA.	8 C900 DR18 CL150 PVC PURP PIPE	
			10 EA.	6 C900 DR18 CL150 PVC GJ PIPE	
			10 EA.	8 C900 DR18 CL150 PVC GJ PIPE	
				GRAND TOTAL (UNIT COST)	
SECTION 20				***HDPE PIPE AND FITTINGS***	
				PIPES	
			10 EA.	2" DIAMETER IPS SDR11	
			10 EA.	3" DIAMETER IPS SDR11	
			10 EA.	4" DIAMETER DIPS SDR11	
			10 EA.	6" DIAMETER DIPS SDR11	
			10 EA.	8" DIAMETER DIPS SDR11	
			10 EA.	10" DIAMETER DIPS SDR11	
			10 EA.	12" DIAMETER DIPS SDR11	
				FITTINGS	
			10 EA.	2" DIAMETER IPS BACKUP RING IPS	
			10 EA.	3" DIAMETER IPS BACKUP RING IPS	
			10 EA.	4" DIAMETER IPS BACKUP RING DIPS	
			10 EA.	6" DIAMETER IPS BACKUP RING DIPS	
			10 EA.	8" DIAMETER IPS BACKUP RING DIPS	
			10 EA.	10" DIAMETER IPS BACKUP RING DIPS	
			10 EA.	12" DIAMETER IPS BACKUP RING DIPS	
			10 EA.	2" IPS COUPLING IPS	
			10 EA.	3" IPS COUPLING IPS	
			10 EA.	4" DIPS COUPLING DIPS	
			10 EA.	6" DIPS COUPLING DIPS	
			10 EA.	10" DIPS COUPLING DIPS	
			10 EA.	12" DIPS COUPLING DIPS	
			10 EA.	4" DIPS BUTT 90 DEGREE ELBOW	
			10 EA.	6" DIPS BUTT 90 DEGREE ELBOW	
			10 EA.	8" DIPS BUTT 90 DEGREE ELBOW	
			10 EA.	10" DIPS BUTT 90 DEGREE ELBOW	
			10 EA.	12" DIPS BUTT 90 DEGREE ELBOW	
			10 EA.	4" DIPS BUTT 45 DEGREE ELBOW	
			10 EA.	6" DIPS BUTT 45 DEGREE ELBOW	
			10 EA.	8" DIPS BUTT 45 DEGREE ELBOW	
			10 EA.	10" DIPS BUTT 45 DEGREE ELBOW	
			10 EA.	12" DIPS BUTT 45 DEGREE ELBOW	
			10 EA.	4" DIPS BUTT TEES	
			10 EA.	6" DIPS BUTT TEES	
			10 EA.	8" DIPS BUTT TEES	
			10 EA.	10" DIPS BUTT TEES	
			10 EA.	12" DIPS BUTT TEES	
			10 EA.	2" IPS FLANGE ADAPTER	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	3" IPS FLANGE ADAPTER	
			10 EA.	4" DIPS FLANGE ADAPTER	
			10 EA.	6" DIPS FLANGE ADAPTER	
			10 EA.	8" DIPS FLANGE ADAPTER	
			10 EA.	10" DIPS FLANGE ADAPTER	
			10 EA.	12" DIPS FLANGE ADAPTER	
			10 EA.	3" DIPS MJ ADAPTER	
			10 EA.	4" DIPS MJ ADAPTER	
			10 EA.	6" DIPS MJ ADAPTER	
			10 EA.	8" DIPS MJ ADAPTER	
			10 EA.	10" DIPS MJ ADAPTER	
			10 EA.	12" DIPS MJ ADAPTER	
				GRAND TOTAL (UNIT COST)	
SECTION 21				**** GRAVITY SEWER PIPE****	
			26 EA.	10X13 SDR26 HW PVC GJ SWR PIPE	
			26 EA.	12X13 SDR26 HW PVC GJ SWR PIPE	
			26 EA.	15X13 SDR26 HW PVC GJ SWR PIPE	
			26 EA.	18X13 SDR26 HW PVC GJ SWR PIPE	
			26 EA.	4X13 SDR26 HW PVC GJ SWR PIPE	
			26 EA.	6X13 SDR26 HW PVC GJ SWR PIPE	
			26 EA.	8X13 SDR26 HW PVC GJ SWR PIPE	
			26 EA.	20X13 SDR26 HW PVC GJ SWR PIPE	
			26 EA.	24X13 SDR26 HW PVC GJ SWR PIPE	
			26 EA.	36X13 SDR26 HW PVC GJ SWR PIPE	
				GRAND TOTAL (UNIT COST)	
SECTION 22				****DUCTILE IRON PIPE****	
			10 EA.	14 CL250 DUCTILE IRON PIPE	
			10 EA.	16 CL250 DUCTILE IRON PIPE	
			10 EA.	20 CL250 DUCTILE IRON PIPE	
			10 EA.	24 CL250 DUCTILE IRON PIPE	
			10 EA.	30 CL350 DUCTILE IRON PIPE	
			20 EA.	10 CL350 DUCTILE IRON PIPE	
			20 EA.	12 CL350 DUCTILE IRON PIPE	
				GRAND TOTAL (UNIT COST)	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
MISCELLANEOUS					
SECTION 23			100 EA.	S.S. MANHOLE INFLOW PROTECTORS	
			8 EA.	MANHOLE COVER WITH RING	
			10 EA.	4 MIP X FIP ULFM CHK VALVE	
			10 EA.	4X2-1/2X2-1/2 ANG SIAMES E CONN	
			10 EA.	6X2-1/2X2-1/2 ANG SIAMES E CONN	
			10 EA.	4X2-1/2X2-1/2 STR SIAMES E CONN	
			10 EA.	10 SS FLANGE ACC PKG	
			10 EA.	12 SS FLANGE ACC PKG	
			10 EA.	14 SS FLANGE ACC PKG	
			10 EA.	16 SS FLANGE ACC PKG	
			10 EA.	20 SS FLANGE ACC PKG	
			10 EA.	2 SS FLANGE ACC PKG	
			10 EA.	4 SS FLANGE ACC PKG	
			10 EA.	6 SS FLANGE ACC PKG	
			10 EA.	8 SS FLANGE ACC PKG	
			10 EA.	1 GAL REG LUB	
			10 EA.	1 QT REG LUB	
			10 EA.	4 STR WING NUT TEST PLUG	
			10 EA.	6 STR WING NUT TEST PLUG	
			10 EA.	8 STR WING NUT TEST PLUG	
			10 EA.	4 BRASS RH PLUG	
			10 EA.	6 BRASS RH PLUG	
			10 EA.	1 GAL ALL PURPOSE CLR CLNR	
			10 EA.	16 OZ ALL PURPOSE CLR CLNR	
			10 EA.	16 OZ PURP PRMR / CLNR	
			10 EA.	32 OZ ALL PURPOSE CLR CLNR	
			10 EA.	32 OZ PURP PRMR / CLNR	
			10 EA.	8 OZ PVC BLUE RAIN R SHINE CEMENT	
			10 EA.	16 OZ PVC BLUE RAIN R SHINE CEMENT	
			10 EA.	32 OZ PVC BLUE RAIN R SHINE CEMENT	
			10 EA.	1 GAL PVC REG CLR CEMENT	
			10 EA.	16 OZ PVC MED CLR CEMENT	
			10 EA.	32 OZ PVC MED CLR CEMENT	
			10 EA.	32 OZ CPVC HD GRAY CEMENT	
			10 EA.	16 OZ PVC HD GRAY CEMENT	
			10 EA.	32 OZ PVC HD GRAY CEMENT	
			10 EA.	1 GAL DARK CUTTING OIL SPD THRD	
			10 EA.	16 OZ PIPE DOPE W/ TEF & BRASS	
			10 EA.	TRAFFIC STRIPING PAINT YELLOW	
			10 EA.	TRAFFIC STRIPING PAINT RED	
			10 EA.	TRAFFIC STRIPING PAINT BLUE	
			10 EA.	TRAFFIC STRIPING PAINT GREEN	
			10 EA.	3 FT CURB ST KEY	
			10 EA.	4 FT CURB ST KEY	
			10 EA.	5 FT CURB ST KEY	
			10 EA.	5 FT H/WHL VALVE KEY	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	M/HOLE CVR HOOK	
			10 EA.	36 M/HOLE CVR HOOK	
			10 EA.	5 FT PRY BAR	
			10 EA.	10 FOAM POLY PIG	
			10 EA.	12 FOAM POLY PIG	
			10 EA.	14 FOAM POLY PIG	
			10 EA.	6 FOAM POLY PIG	
			10 EA.	4 FT PROBE ROD	
			10 EA.	5 FT T- HDL VALVE KEY	
			10 EA.	810 10 ALUM STR PIPE WRCH	
			10 EA.	814 14 ALUM STR PIPE WRCH	
			10 EA.	818 18 ALUM STR PIPE WRCH	
			10 EA.	824 24 ALUM STR PIPE WRCH	
			10 EA.	836 36 ALUM STR PIPE WRCH	
			10 EA.	812 12 ALUM STR PIPE WRCH	
			4 EA.	4X1000 DETECT TAPE - FORCE MAIN	
			4 EA.	3X1000 DETECT TAPE - IRRIGATION	
			4 EA.	3X1000 DETECT TAPE - RECLAIM WATER	
			4 EA.	2X1000 DETECT TAPE - SWR	
			4 EA.	4X1000 DETECT TAPE - SWR	
			4 EA.	6X1000 DETECT TAPE - SWR	
			10 EA.	2-1/2 PRES GA 0 - 300 LIQ	
			5 CS.	VANDLAISM REMOVER	
			2 CS.	BELT, DRESSING	
			10 PAILS	CHLORINE TABLETS 3"	
			5 CS.	CONTACT CLEANER (CRC IND.)	
			10 CS.	WD-40 SPRAY #42110	
			1 CS.	GREASE, MULTI-PURPOSE	
			1 CS.	GREASE, IMPACT	
			1 CS.	GREASE, SPRAY CAN	
			2 CS.	GROUT, MULTI-PURPOSE TUBES	
			2 CS.	GROUT CATALYST CHEM T, TRIETHANOLAM	
			5 GAL.	SANAFOAM VAPOROOTER II	
			1 CS.	20 OZ MOISTURE DISPLACEN	
			1 CS.	METAL PREP.	
			10 ROLLS	PLUMBERS TAPE	
			10 EA.	PVC CUTTER RATCHET STYLE	
			20 EA.	PVC CUTTER BLADE	
			5 BOX	DUST MASK #1863	
			10 EA.	GREASE GUN	
			5 CS.	OIL MOX 5D:1 STIHL 8-6PACKS/CASE (6 PACKS IS 1 ITEM	
			10 CS.	SAE 30 MOTOR OIL	
			1 CS.	A/W HYDRAULIC OIL, ANTI-WEAR #68	
			1 CS.	TRANSMISSION FLUID VLV-353	
			5 CS.	DIESEL FUEL CONDITION	
			1 CS.	BRAKE FLUID	
			1 CS.	LE 8440 MONOLEC P40	
			1 CS.	8430 MONELEC P40	
			1 CS.	LE 8430 MONOLEC GFS ENGINE OIL SAE 30 LE 2100 MONOLEC WIRE ROPE LUBRICANT	
			1 CS.	(SPRAY)	
			1 CS.	LE 2059 MONOLEC PENETRATING OIL	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			1 CS.	LE 6405 MONOLEC TRUBINE OIL SAE 40	
			1 CS.	LE 6203 MONOLEC AIR COMPRESSOR OIL SAE 30	
			1 CS.	LE 6120 MONOLEC HYDRAULIC OIL SAE 20	
			1 CS.	LE 6520 MONOLEC HYDRAULIC OIL SAE 5-20	
			1 CS.	LE 1275 ALMAPLEX GREASE - 50/CASE	
			5 EA.	LE 4025 QUINPLEX FOOD MACHINERY GREASE	
			5 EA.	LE 3752 ALMAGARD GREASE	
			5 EA.	LE 5182 PYROSHIELD LUBRICANT (CAULKING TUBE)	
			1 CS.	300 MONOLEC IL	
			1 CS.	LE 609 ALMASOL GEAR LUBRICANT SAE 250 (24 QT. CAN)	
			1 CS.	LE 608 ALMASOL GEAR LUBRICANT SAE 140	
			1 CS.	LE 607 ALMASOL GEAR LUBRICANT SAE 90-6LBS./18GAL/72	
			1 CS.	LE 604 ALMASOL GEAR LUBRICANT SAE 90	
			1 CS.	LE 9901 ALMASOL SYNTHETIC GREASE	
			20 EA.	MINI SEWER MARKERS A-1258	
			5 EA.	SQ. VALVE OPERATING WRENCH 5' LONG - 2" X 2" SQ NUT	
			10 EA.	BLADE HACKSAW (HIGH SPEED) 12" X 24 TEETH	
			10 EA.	BLADE FOR STONE 14" X 1/8" X 20 MM.	
			10 EA.	BLADE FOR D.I. 14" X 1/8" X 20 MM.	
			10 EA.	BLADE D.I. 12" X 1/8" X 20 MM.	
			10 EA.	BLADE FOR STONE 12" X 1/8" X 20 MM.	
			10 EA.	SANDER/GRINDER DISC 4-1/2"	
			5 EA.	61" PRY BAR	
			10 EA.	4" TRENCHING SHOVEL LONG HANDLE	
			5 EA.	DRAIN SPADE, SHARPSHOOTER UDS-14	
			10 EA.	POST HOLE DIGGER (4")	
			30 EA.	TIE DOWN STRAP WITH HOOKS 15" LONG	
			30 EA.	TIE DOWN STRAP WITH HOOKS 22" LONG	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			30 EA.	TIE DOWN STRAP WITH HOOKS 32" LONG	
			100 ROLL	TEFLON TAPE	
			3 CS.	PVC PIPE CLEANER -QT.	
			3 BOX	RECTORSEAL PT.	
			8 BOX	NEVER-SEEZ 12 PT	
			10 EA.	PIPE LUBE QT.	
			10 EA.	BLUE MAGNETIC TAPE 3" X 1000' ROLL	
			100 EA.	BRASS ID TAG	
			100 ROLL	RED MARKING RIBBON	
			25 ROLLS	FLAG TAPE ORANGE	
			5 CS.	YELLOW MARKING PAINT	
			50 CS.	PURPLE MARKING PAINT (PERMANENT)	
			50 CS.	BLUE MARKING PAINT (TEMP. LOCATING)	
			30 CS.	GREEN MARKING PAINT	
			5 CS.	RED MARKING PAINT	
			50 BX.	SURVEY MARKER FLAG - WATER - BLUE	
			25 BX.	SURVEY MARKER FLAG - SEWER - GREEN	
				SURVEY MARKER FLAG "RED" 100/BUNDLE -	
			10 BX.	1,000/BOX	
			100 EA.	LOCATE BALLS "BLUE"	
			100 EA.	LOCATE BALLS "GREEN"	
			100 EA.	LOCATE BALLS "PURPLE"	
			6 EA.	8 TEST BALL	
			6 EA.	10 TEST BALL	
			6 EA.	12 TEST BALL	
			6 EA.	8 MUNI BALL PLUG	
			6 EA.	4 TEST BALL	
			6 EA.	6 TEST BALL	
			10 EA.	HAND TEST PUMP W/ DLX GA	
			10 EA.	10 FT EXT HOSE ASSY	
			10 EA.	20 FT EXT HOSE ASSY	
				GRAND TOTAL (UNIT COST)	
SECTION 24				****MJ ACCESORY SETS****	
			5 EA.	10 MJ ACC SET	
			5 EA.	12 MJ ACC SET	
			5 EA.	14 MJ ACC SET	
			5 EA.	16 MJ ACC SET	
			5 EA.	18 MJ ACC SET	
			5 EA.	20 MJ ACC SET	
			5 EA.	24 MJ ACC SET	
			5 EA.	30 MJ ACC SET	
			10 EA.	3 MJ ACC SET	
			8 EA.	4 MJ ACC SET	
				GRAND TOTAL (UNIT COST)	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
SECTION 25				****MJ GLANDS****	
			20 EA.	10 MJ GLAND	
			20 EA.	12 MJ GLAND	
			20 EA.	14 MJ GLAND	
			20 EA.	16 MJ GLAND	
			20 EA.	18 MJ GLAND	
			20 EA.	20 MJ GLAND	
			20 EA.	24 MJ GLAND	
			20 EA.	30 MJ GLAND	
				GRAND TOTAL (UNIT COST)	
SECTION 26				****MJ GASKETS****	
			12 EA.	10 MJ GASKET	
			12 EA.	12 MJ GASKET	
			12 EA.	14 MJ GASKET	
			12 EA.	16 MJ GASKET	
			12 EA.	18 MJ GASKET	
			12 EA.	20 MJ GASKET	
			12 EA.	24 MJ GASKET	
			12 EA.	30 MJ GASKET	
			12 EA.	36 MJ GASKET	
			12 EA.	2 MJ GASKET	
			12 EA.	3 MJ GASKET	
			12 EA.	4 MJ GASKET	
			12 EA.	6 MJ GASKET	
			12 EA.	8 MJ GASKET	
			12 EA.	3 MJ GLAND	
			12 EA.	4 MJ GLAND	
			12 EA.	6 MJ GLAND	
			12 EA.	8 MJ GLAND	
			10 EA.	3 MJ TRAN GASKET	
			10 EA.	4 MJ TRAN GASKET	
			10 EA.	6 MJ TRAN GASKET	
			10 EA.	8 MJ TRAN GASKET	
			10 EA.	5/8X3 MJ T-HEAD BOLT & NUT	
			10 EA.	3/4X3-1/2 MJ T-HEAD BOLT & NUT	
			10 EA.	3/4X4 MJ T-HEAD BOLT & NUT	
			10 EA.	3/4X4-1/2 MJ T-HEAD BOLT & NUT	
			10 EA.	3/4X5 MJ T-HEAD BOLT & NUT	
			10 EA.	1X6 MJ T-HEAD BOLT & NUT	
				GRAND TOTAL (UNIT COST)	
SECTION 27				****JOINT RESTRAINTS****	
			10 EA.	10 JT RESTRAINT C900/DI PIPE	
			10 EA.	12 JT RESTRAINT C900/DI PIPE	
			10 EA.	16 JT RESTRAINT C905/DI PIPE	
			10 EA.	4 JT RESTRAINT C900/DI PIPE	
			10 EA.	6 JT RESTRAINT C900/DI PIPE	
			10 EA.	8 JT RESTRAINT C900/DI PIPE	
			10 EA.	3 JT RESTRAINT IPS PVC PIPE	
			10 EA.	4 JT RESTRAINT IPS PVC PIPE	
			10 EA.	6 JT RESTRAINT IPS PVC PIPE	
			10 EA.	8 JT RESTRAINT IPS PVC PIPE	

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	18JT RESTRAINT C905/DI PIPE	
			10 EA.	20JT RESTRAINT C905/DI PIPE	
			10 EA.	24JT RESTRAINT C905/DI PIPE	
			10 EA.	30JT RESTRAINT DI PIPE	
			10 EA.	36JT RESTRAINT DI PIPE	
			10 EA.	3" PVC MEGALUGS ONLY	
			10 EA.	3" DIP MEGALUGS ONLY	
			10 EA.	4" PVC MEGALUGS ONLY	
			10 EA.	4" DIP MEGALUGS ONLY	
			10 EA.	6" PVC MEGALUGS ONLY	
			10 EA.	6" DIP MEGALUGS ONLY	
			10 EA.	8" PVC MEGALUGS ONLY	
			10 EA.	8" DIP MEGALUGS ONLY	
			10 EA.	10" PVC MEGALUGS ONLY	
			10 EA.	10" DIP MEGALUGS ONLY	
			10 EA.	12" PVC MEGALUGS ONLY	
			10 EA.	12" DIP MEGALUGS ONLY	
			10 EA.	14" PVC MEGALUGS ONLY	
			10 EA.	14" DIP MEGALUGS ONLY	
			10 EA.	16" PVC MEGALUGS ONLY	
			10 EA.	16" DIP MEGALUGS ONLY	
				GRAND TOTAL (UNIT COST)	

ATTACHMENT 4a

LEE COUNTY, FLORIDA
 PROPOSAL QUOTE FORM
 FOR
 WATER, SEWER & IRRIGATION MATERIALS
 ANNUAL FOR UTILITIES

DATE SUBMITTED: 8-13-02

VENDOR NAME: Ferguson Waterworks

TO: The Board of County Commissioners
 Lee County
 Fort Myers, Florida

Having carefully examined the "General Conditions", and the "Detailed Specifications", all of which are contained herein, the Undersigned proposes to furnish the following, which meet these specifications:

The undersigned acknowledges receipt of Addenda numbers: # 1

See Attachment B to record unit prices, Note: Please record the section totals on this Price Proposal Page.

SECTION NO.	LEE CO. COMMODITY CODE	DESCRIPTION	GRAND TOTAL
	89000	<u>WATER</u>	
1.		GALVANIZED FITTINGS	\$ <u>473.23</u>
2.		BRASS FITTINGS	\$ <u>689.72</u>
3.		COPPER TUBING	\$ <u>6.39 (FT)</u>
4.		POLY TUBING	\$ <u>16.61 (FT)</u>
5.		FITTINGS	\$ <u>1239.36</u>
6.		MECHANICAL FITTINGS	\$ <u>17,364.93</u>
7.		FLANGE FITTINGS	\$ <u>3,320.38</u>
8.		GATE VALVES	\$ <u>8,926.00</u>
9.		METER BOXES	\$ <u>216.84</u>
10.		HYDRANTS AND ASSEMBLIES	\$ <u>3,245.00</u>
11.		METER ASSEMBLY PARTS	\$ <u>3,719.01</u>

SECTION NO.	LEE CO. COMMODITY CODE	DESCRIPTION	GRAND TOTAL
	89000	<u>SEWER</u>	
12.		PLUG VALVES	\$ <u>15,580⁹⁶</u>
13.		TRANSITION COUPLINGS	\$ <u>143²⁷</u>
14.		SEWER FITTINGS	\$ <u>1,005.66</u>
15.		EPOXY LINED FLANGE FITTINGS	\$ <u>1,629.13</u>
16.		EPOXY LINED M J FITTINGS	\$ <u>4,774.97</u>
	89000	<u>PIPE</u>	
17.		SCHEDULE 40 BE PIPE	\$ <u>15.34 (FT)</u>
18.		SCHEDULE 80 BE PIPE	\$ <u>44.63 (FT)</u>
19.		POLYVINYL CHLORIDE PIPE	\$ <u>520.13 (FT)</u>
20.		HDPE SEWER PIPE & FITTINGS	\$ <u>6,142.61 (PIPE-FT)</u>
21.		GRAVITY SEWER PIPE	\$ <u>7647 (FT)</u>
22.		DUCTILE IRON PIPE	\$ <u>1855 (FT)</u>
23.		MISCELLANEOUS	\$ <u>4,285⁰²</u>
24.		MJ ACC SETS	\$ <u>4,696⁵</u>
25.		MJ GLANDS	\$ <u>398.43</u>
26.		MJ GASKETS	\$ <u>93.29</u>
27.		JOINT RESTRAINTS	\$ <u>3,800.73</u>

DELIVERY: STOCK: 43 WORKING DAYS NON-STOCK: 7-10 WORKING DAYS

Will your firm offer miscellaneous store items, not listed herein at a percentage off? YES ___ NO *Varies too much*

State the discount from list price for items not listed herein that Lee County BOCC may purchase, as needed: — %

If you answered yes, submit your firm's price list with the annotated discounts in triplicate with your bid response.

Do you carry the most common parts and related items in stock? YES NO ___

NOTE: SUBMITTALS REQUIRED; SEE PAGE 13

Is your firm interested in being considered for the Local Vendor Preference? Yes No ___

If yes, then read the paragraph entitled "Local Vendor Preference" included in these specifications. Also complete the Local Vendor Preference Questionnaire and return with your quotation.

Quoters should carefully read all the terms and conditions of the specifications. Any representation of deviation or modification to the quote may be grounds to reject the quote.

Are there any modifications to the quote or specifications: Yes _____ No

Failure to clearly identify any modifications in the space below or on a separate page may be grounds for the quoter being declared nonresponsive or to have the award of the quote rescinded by the County.

MODIFICATIONS:

Quoter shall submit his/her quote on the County's Proposal Quote Form, including the firm name and authorized signature. Any blank spaces on the Proposal Quote Form, qualifying notes or exceptions, counter offers, lack of required submittals, or signatures, on County's Form may result in the Quoter/Quote being declared non-responsive by the County.

ANTI-COLLUSION STATEMENT

THE BELOW SIGNED QUOTER HAS NOT DIVULGED TO, DISCUSSED OR COMPARED HIS QUOTE WITH OTHER QUOTERS AND HAS NOT COLLUDED WITH ANY OTHER QUOTER OR PARTIES TO A QUOTE WHATSOEVER. NOTE: NO PREMIUMS, REBATES OR GRATUITIES TO ANY EMPLOYEE OR AGENT ARE PERMITTED EITHER WITH, PRIOR TO, OR AFTER ANY DELIVERY OF MATERIALS. ANY SUCH VIOLATION WILL RESULT IN THE CANCELLATION AND/OR RETURN OF MATERIAL (AS APPLICABLE) AND THE REMOVAL FROM THE MASTER BIDDERS LIST.

FIRM NAME Ferguson Waterworks

BY (Printed): Debra Bevins

BY (Signature): Debra Bevins

TITLE: SALES REP.

FEDERAL ID # OR S.S.# 54-1211771

ADDRESS: 17323 Jean St.

FL MYERS FL 33912

PHONE NO.: 239-433-0555

FAX NO.: 239-433-0405

CELLULAR PHONE/PAGER NO.: 239-707-6608

LEE COUNTY OCCUPATIONAL LICENSE NUMBER: 667930

E-MAIL ADDRESS: Jeremy.Sanchez@Ferguson.com

REVISED: 7/28/00

ATTACHMENT B-1

WATER, SEWER & IRRIGATION MATERIALS

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
WATER					
SECTION 1				****GALVANIZED FITTINGS****	
BECK MFG.			10 EA.	3/4X12 GALV STEEL NIPPLE	1.58
			10 EA.	3/4X24 GALV READY CUT PIPE	3.31
			10 EA.	3/4X48 GALV READY CUT PIPE	6.11
			10 EA.	3/4XCLOSE GALV STEEL NIPPLE	0.33
			10 EA.	3/4X3 GALV STEEL NIPPLE	0.40
			10 EA.	3/4X4 GALV STEEL NIPPLE	0.49
			10 EA.	3/4X6 GALV STEEL NIPPLE	0.73
			10 EA.	1X12 GALV STEEL NIPPLE	2.15
			10 EA.	1X24 GALV READY CUT PIPE	4.42
			10 EA.	1X36 GALV READY CUT PIPE	5.90
			10 EA.	1X48 GALV READY CUT PIPE	7.83
			10 EA.	1XCLOSE GALV STEEL NIPPLE	0.45
			10 EA.	1X3 GALV STEEL NIPPLE	0.58
			10 EA.	1X4 GALV STEEL NIPPLE	0.70
			10 EA.	1X6 GALV STEEL NIPPLE	0.97
			10 EA.	1-1/4XCLOSE GALV STEEL NIPPLE	0.60
			10 EA.	1-1/4X4 GALV STEEL NIPPLE	0.84
			10 EA.	1-1/4X6 GALV STEEL NIPPLE	1.23
			10 EA.	1-1/2X12 GALV STEEL NIPPLE	3.02
			10 EA.	1-1/2X24 GALV READY CUT PIPE	6.67
			10 EA.	1-1/2X48 GALV READY CUT PIPE	12.53
			10 EA.	1-1/2XCLOSE GALV STEEL NIPPLE	0.71
			10 EA.	1-1/2X3 GALV STEEL NIPPLE	0.85
			10 EA.	1-1/2X4 GALV STEEL NIPPLE	1.08
			10 EA.	1-1/2X6 GALV STEEL NIPPLE	1.46
			10 EA.	2X12 GALV STEEL NIPPLE	4.44
			10 EA.	2X24 GALV READY CUT PIPE	8.98
			10 EA.	2X36 GALV READY CUT PIPE	12.16
			10 EA.	2X48 GALV READY CUT PIPE	15.81
			10 EA.	2XCLOSE GALV STEEL NIPPLE	1.00
			10 EA.	2X3 GALV STEEL NIPPLE	1.13
			10 EA.	2X4 GALV STEEL NIPPLE	1.38
			10 EA.	2X6 GALV STEEL NIPPLE	2.03
			10 EA.	2-1/2XCLOSE GALV STEEL NIPPLE	2.98
			10 EA.	2-1/2X4 GALV STEEL NIPPLE	3.60
			10 EA.	2-1/2X6 GALV STEEL NIPPLE	4.40
			10 EA.	3X12 GALV STEEL NIPPLE	10.16
			10 EA.	3XCLOSE GALV STEEL NIPPLE	3.58

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	3X4 GALV STEEL N	4.77
			10 EA.	4XCLOSE GALV STEEL NIPPLE	5.35
			10 EA.	4X4 GALV STEEL NIPPLE	6.40
			10 EA.	4X6 GALV STEEL NIPPLE	7.95
			10 EA.	6XCLOSE GALV STEEL NIPPLE	28.85
			10 EA.	6X6 GALV STEEL NIPPLE	37.66
WARD MFG.			10 EA.	3/4 GALV MI 150# BRASS GJ UNION	2.43
			10 EA.	1 GALV MI 150# BRASS GJ UNION	3.17
			10 EA.	1-1/2 GALV MI 150# BRASS GJ UNION	5.57
			10 EA.	2 GALV MI 150# BRASS GJ UNION	6.41
			10 EA.	3 GALV MI 150# BRASS GJ UNION	31.13
			10 EA.	3/4 GALV MI 150# 45 ELBOW	1.10
			10 EA.	1 GALV MI 150# 45 ELBOW	1.25
			10 EA.	1-1/2 GALV MI 150# 45 ELBOW	2.73
			10 EA.	2 GALV MI 150# 45 ELBOW	3.87
			10 EA.	3/4 GALV MI 150# 90 ELBOW	0.59
			10 EA.	1 GALV MI 150# 90 ELBOW	1.10
			10 EA.	1-1/4 GALV MI 150# 90 ELBOW	1.74
			10 EA.	1-1/2 GALV MI 150# 90 ELBOW	2.27
			10 EA.	2 GALV MI 150# 90 ELBOW	3.72
			10 EA.	3 GALV MI 150# 90 ELBOW	16.06
			10 EA.	1/2X1/4 GALV STEEL HEX BUSHING	0.33
			10 EA.	3/4X1/4 GALV STEEL HEX BUSHING	0.52
			10 EA.	3/4X1/2 GALV STEEL HEX BUSHING	0.52
			10 EA.	1X1/2 GALV MI HEX BUSHING	1.20
			10 EA.	1X3/4 GALV MI HEX BUSHING	1.12
			10 EA.	1-1/2X3/4 GALV CI HEX BUSHING	1.95
			10 EA.	1-1/2X1 GALV CI HEX BUSHING	1.76
			10 EA.	2X3/4 GALV CI HEX BUSHING	2.27
			10 EA.	2X1 GALV CI HEX BUSHING	2.27
			10 EA.	2X1-1/4 GALV CI HEX BUSHING	2.27
			10 EA.	2X1-1/2 GALV MI HEX BUSHING	2.12
			10 EA.	2-1/2X2 GALV MI HEX BUSHING	3.52
			10 EA.	3X2 GALV CI HEX BUSHING	4.25
			10 EA.	3/4 GALV MI 150# CAP	0.65
			10 EA.	1 GALV MI 150# CAP	0.92
			10 EA.	1-1/2 GALV MI 150# CAP	1.56
			10 EA.	2 GALV MI 150# CAP	2.18
			10 EA.	3/4 GALV MI 150# COUPLING	0.82
			10 EA.	1 GALV MI 150# COUPLING	1.34
			10 EA.	1-1/2 GALV MI 150# COUPLING	2.15
			10 EA.	2 GALV MI 150# COUPLING	3.14
			10 EA.	4 GALV MI 150# COUPLING	27.30
			10 EA.	1/2 GALV CI CORED PLUG	0.52
			10 EA.	3/4 GALV CI CORED PLUG	0.67
			10 EA.	1 GALV CI CORED PLUG	0.67
			10 EA.	1-1/2 GALV CI CORED PLUG	1.51
			10 EA.	2 GALV CI CORED PLUG	1.86

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	2X3/4 GALV MI 150# RED COUPLING	4.18
			10 EA.	2-1/2X2 GALV MI 150# RED COUPLING	9.73
			10 EA.	3/4 GALV MI 150# TEE	1.03
			10 EA.	1 GALV MI 150# TEE	1.68
			10 EA.	1-1/4 GALV MI 150# TEE	2.66
			10 EA.	1-1/2 GALV MI 150# TEE	3.30
			10 EA.	2 GALV MI 150# TEE	5.37
			10 EA.	2X2X1 GALV MI 150# TEE	5.55
			10 EA.	3 GALV MI 150# TEE	17.72
			10 EA.	4 GALV MI 150# TEE	41.91
				GRAND TOTAL (UNIT COST)	473.23
SECTION 2				****BRASS FITTINGS****	
MERIT BRASS			10 EA.	1 BRASS 45 ELBOW	4.70
			10 EA.	2 BRASS 4 5 ELBOW	15.18
			10 EA.	2-1/2 BRASS 45 ELBOW	29.00
			10 EA.	3/4 BRASS 90 ELBOW	2.11
			10 EA.	1 BRASS 90 ELBOW	3.43
			10 EA.	1-1/2 BRASS 90 ELBOW	6.86
			10 EA.	2 BRASS 90 ELBOW	11.08
			10 EA.	2-1/2 BRASS 90 ELBOW	26.80
			10 EA.	3/4X1/4 BRASS BUSHING	1.46
			10 EA.	3/4X3/8 BRASS BUSHING	1.46
			10 EA.	3/4X1/2 BRASS BUSHING	1.46
			10 EA.	1X1/4 BRASS BUSHING	1.85
			10 EA.	1X1/2 BRASS BUSHING	1.85
			100 EA.	1X3/4 BRASS BUSHING	1.85
			10 EA.	1-1/2X3/4 BRASS BUSHING	4.49
			10 EA.	1-1/2X1 BRASS BUSHING	4.49
			10 EA.	2X3/4 BRASS BUSHING	5.55
			10 EA.	2X1 BRASS BUSHING	5.55
			10 EA.	2X1-1/2 BRASS BUSHING	5.55
			10 EA.	2-1/2X2 BRASS BUSHING	13.99
			10 EA.	3/4 BRASS CAP	1.32
			10 EA.	2 BRASS CAP	9.49
			50 EA.	3/4 BRASS COUPLING	1.85
			50 EA.	1 BRASS COUPLING	3.16
			10 EA.	1-1/2 BRASS COUPLING	6.86
			10 EA.	2 BRASS COUPLING	11.34
			10 EA.	1/4X3 BRASS NIPPLE	0.51
			10 EA.	1/2XCLOSE BRASS NIPPLE	0.42
			10 EA.	1/2X2 BRASS NIPPLE	0.57
			10 EA.	1/2X2 BRASS NIPPLE	0.57
			10 EA.	3/4X12 BRASS NIPPLE	3.74
			10 EA.	3/4X24 BRASS NIPPLE	9.03
			10 EA.	3/4X36 BRASS NIPPLE	13.55
			10 EA.	3/4XCLOSE BRASS NIPPLE	0.61

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	3/4X3 BRASS NIPPLE	1.02
			10 EA.	3/4X4 BRASS NIPPLE	1.33
			10 EA.	3/4X6 BRASS NIPPLE	1.96
			10 EA.	1X12 BRASS NIPPLE	5.60
			10 EA.	1X24 BRASS NIPPLE	13.55
			10 EA.	1X36 BRASS NIPPLE	20.32
			10 EA.	1XCLOSE BRASS NIPPLE	0.89
			10 EA.	1X3 BRASS NIPPLE	1.48
			10 EA.	1X4 BRASS NIPPLE	1.94
			10 EA.	1X6 BRASS NIPPLE	2.85
			10 EA.	1-1/4X12 BRASS NIPPLE	7.86
			10 EA.	1-1/2X12 BRASS NIPPLE	9.84
			10 EA.	1-1/2X24 BRASS NIPPLE	23.58
			10 EA.	1-1/2X36 BRASS NIPPLE	35.37
			10 EA.	1-1/2X48 BRASS NIPPLE	47.15
			10 EA.	1-1/2XCLOSE BRASS NIPPLE	1.76
			10 EA.	1-1/2X3 BRASS NIPPLE	2.60
			10 EA.	1-1/2X4 BRASS NIPPLE	3.40
			10 EA.	1-1/2X6 BRASS NIPPLE	5.02
			10 EA.	2X12 BRASS NIPPLE	12.71
			10 EA.	2X24 BRASS NIPPLE	30.43
			10 EA.	2X36 BRASS NIPPLE	45.63
			10 EA.	2X48 BRASS NIPPLE	60.85
			50 EA.	2XCLOSE BRASS NIPPLE	2.68
			50 EA.	2X3 BRASS NIPPLE	3.34
			50 EA.	2X4 BRASS NIPPLE	4.37
			50 EA.	2X6 BRASS NIPPLE	6.45
			50 EA.	2X8 BRASS NIPPLE	8.60
			10 EA.	2-1/2X3 BRASS NIPPLE	7.40
			10 EA.	2-1/2X4 BRASS NIPPLE	9.31
			10 EA.	3/4 BRASS PLUG	1.32
			10 EA.	1 BRASS PLUG	2.04
			10 EA.	1-1/2 BRASS PLUG	5.01
			10 EA.	2 BRASS PLUG	8.44
			10 EA.	3/4 BRASS TEE	2.63
			10 EA.	1 BRASS TEE	4.75
			10 EA.	1-1/2 BRASS TEE	9.24
			10 EA.	2 BRASS TEE	15.31
			10 EA.	3/4 BRASS 150# UNION	6.17
			10 EA.	1 BRASS 150# UNION	8.15
			10 EA.	1-1/2 BRASS 150# UNION	14.03
			10 EA.	2 BRASS 150# UNION	21.61
				GRAND TOTAL (UNIT COST)	689.72

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
SECTION 3					
****COPPER TUBING****					
MUELLER IND.			10 EA.	3/4 X 20 FT K HARD COPPER TUBE	0.83
			10 EA.	1 X 20 FT K HARD COPPER TUBE	1.10
			10 EA.	1-1/2 X 20 FT K HARD COPPER TUBE	1.75
			10 EA.	2 X 20 FT K HARD COPPER TUBE	2.71
				GRAND TOTAL (UNIT COST)	6.39
SECTION 4					
****POLY TUBING****					
ENDOT IND.			10 EA.	3/4X100 HD200 CTS BLUE POLY	0.15
			10 EA.	3/4X500 HD200 CTS BLUE POLY	0.75
			10 EA.	1X100 HD200 CTS BLUE POLY	0.25
			10 EA.	1X300 HD200 CTS BLUE POLY	0.75
			10 EA.	1X500 HD200 CTS BLUE POLY	1.25
			10 EA.	1-1/2X100 HD200 CTS BLUE POLY	0.55
			10 EA.	1-1/2X300 HD200 CTS BLUE POLY	1.65
			10 EA.	2X100 HD200 CTS BLUE POLY	0.92
			10 EA.	2X200 HD200 CTS BLUE POLY	1.84
			10 EA.	2X300 HD200 CTS BLUE POLY	2.85
			10 EA.	1X300 HD200 CTS PURP POLY	0.69
			10 EA.	1-1/2X100 HD200 CTS PURP POLY	0.55
			10 EA.	1-1/2X300 HD200 CTS PURP POLY	1.65
			10 EA.	2X100 HD200 CTS PURP POLY	0.92
			10 EA.	2X200 HD200 CTS PURP POLY	1.84
				GRAND TOTAL (UNIT COST)	16.61
FITTINGS					
****SCH 40 FITTINGS****					
SECTION 5					
NIBCO			10 EA.	3/4 PVC SCH40 SXS 45 ELBOW	0.22
			10 EA.	1 PVC SCH40 SXS 45 ELBOW	0.26
			10 EA.	1-1/4 PVC SCH40 SXS 45 ELBOW	0.36
			10 EA.	1-1/2 PVC SCH40 SXS 45 ELBOW	0.45
			10 EA.	2 PVC SCH40 SXS 45 ELBOW	0.56
			10 EA.	2-1/2 PVC SCH40 SXS 45 ELBOW	1.47
			10 EA.	3 PVC SCH40 SXS 45 ELBOW	2.28
			10 EA.	4 PVC SCH40 SXS 45 ELBOW	4.09
			10 EA.	6 PVC SCH40 SXS 45 ELBOW	10.67
			10 EA.	8 PVC SCH40 SXS 45 ELBOW	24.28
			10 EA.	10 PVC SCH40 SXS 90 ELBOW	95.02
			10 EA.	1/2 PVC SCH40 SXS 90 ELBOW	0.09
			10 EA.	3/4 PVC SCH40 SXS 90 ELBOW	0.09
			10 EA.	3/4 PVC SCH40 SXS 90 ELBOW	0.09
			10 EA.	1 PVC SCH40 SXS 90 ELBOW	0.17
			10 EA.	1-1/4 PVC SCH40 SXS 90 ELBOW	0.31
			10 EA.	1-1/2 PVC SCH40 SXS 90 ELBOW	0.31
			10 EA.	2 PVC SCH40 SXS 90 ELBOW	0.51
			10 EA.	2-1/2 PVC SCH40 SXS 90 ELBOW	1.55
			10 EA.	3 PVC SCH40 SXS 90 ELBOW	1.85
			10 EA.	4 PVC SCH40 SXS 90 ELBOW	3.32
			10 EA.	6 PVC SCH40 SXS 90 ELBOW	10.55
			10 EA.	8 PVC SCH40 SXS 90 ELBOW	27.15
			10 EA.	3/4X1/2 PVC SCH40 SPXSLIP BUSHING	0.09
			10 EA.	1X3/4 PVC SCH40 SPXSLIP BUSHING	0.16
			10 EA.	1-1/4X1 PVC SCH40 SPXSLIP BUSHING	0.22

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	1-1/2X3/4 PVC SCH40 SPXSLIP BUSHING	0.23
			10 EA.	1-1/2X1 PVC SCH40 SPXSLIP BUSHING	0.23
			10 EA.	1-1/2X1-1/4 PVC SCH40 SPXSLIP BUSHING	0.23
			10 EA.	2X3/4 PVC SCH40 SPXSLIP BUSHING	0.38
			10 EA.	2X1 PVC SCH40 SPXSLIP BUSHING	0.38
			10 EA.	2X1-1/2 PVC SCH40 SPXSLIP BUSHING	0.38
			10 EA.	2-1/2X2 PVC SCH40 SPXSLIP BUSHING	0.61
			10 EA.	3X2 PVC SCH40 SPXSLIP BUSHING	0.90
			10 EA.	3X2-1/2 PVC SCH40 SPXSLIP BUSHING	0.90
			10 EA.	4X2 PVC SCH40 SPXSLIP BUSHING	2.01
			10 EA.	4X3 PVC SCH40 SPXSLIP BUSHING	2.01
			10 EA.	6X3 PVC SCH40 SPXSLIP BUSHING	4.99
			10 EA.	6X4 PVC SCH40 SPXSLIP BUSHING	4.99
			10 EA.	8X4 PVC SCH40 SPXSLIP BUSHING	17.38
			10 EA.	8X6 PVC SCH40 SPXSLIP BUSHING	17.38
			10 EA.	1/2 PVC SCH40 SOC CAP	0.08
			10 EA.	3/4 PVC SCH40 SOC CAP	0.09
			10 EA.	1 PVC SCH40 SOC CAP	0.14
			10 EA.	1-1/4 PVC SCH40 SOC CAP	0.19
			10 EA.	1-1/2 PVC SCH40 SOC CAP	0.22
			10 EA.	2 PVC SCH40 SOC CAP	0.26
			10 EA.	2-1/2 PVC SCH40 SOC CAP	0.83
			10 EA.	3 PVC SCH40 SOC CAP	0.91
			10 EA.	4 PVC SCH40 SOC CAP	2.07
			10 EA.	6 PVC SCH40 SOC CAP	4.97
			10 EA.	8 PVC SCH40 SOC CAP	12.47
			10 EA.	1/2 PVC SCH40 SXS COUPLING	0.06
			10 EA.	3/4 PVC SCH40 SXS COUPLING	0.08
			10 EA.	1 PVC SCH40 SXS COUPLING	0.14
			10 EA.	1-1/4 PVC SCH40 SXS COUPLING	0.18
			10 EA.	1-1/2 PVC SCH40 SXS COUPLING	0.19
			10 EA.	2 PVC SCH40 SXS COUPLING	0.31
			10 EA.	2-1/2 PVC SCH40 SXS COUPLING	0.67
			10 EA.	3 PVC SCH40 SXS COUPLING	1.06
			10 EA.	4 PVC SCH40 SXS COUPLING	1.52
			10 EA.	6 PVC SCH40 SXS COUPLING	4.81
			10 EA.	8 PVC SCH40 SXS COUPLING	8.98
			10 EA.	3/4 PVC SCH40 SXF 90 ELBOW	0.13
			10 EA.	1 PVC SCH40 SXF 90 ELBOW	0.23
			10 EA.	1/2 PVC SCH40 SXF ADAPTOR	0.09
			50 EA.	3/4 PVC SCH40 SXF ADAPTOR	0.13
			10 EA.	1 PVC SCH40 SXF ADAPTOR	0.14
			10 EA.	1-1/4 PVC SCH40 SXF ADAPTOR	0.22
			10 EA.	1-1/2 PVC SCH40 SXF ADAPTOR	0.25
			10 EA.	2 PVC SCH40 SXF ADAPTOR	0.33
			10 EA.	3 PVC SCH40 SXF ADAPTOR	1.14
			10 EA.	4 PVC SCH40 SXF ADAPTOR	1.89
			10 EA.	6 PVC SCH40 SXF ADAPTOR	6.93
			10 EA.	3/4X1/2 PVC SCH40 FT G X F BUSHING	0.14
			10 EA.	1X1/2 PVC SCH40 FTG X F BUSHING	0.23
			10 EA.	1X3/4 PVC SCH40 FTG X F BUSHING	0.23
			10 EA.	1-1/4X3/4 PVC SCH40 FT G X F BUSHING	0.35

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	1-1/2X3/4 PVC SCH40 FT G X F BUSHING	0.40
			10 EA.	1-1/2X1 PVC SCH40 FT G X F BUSHING	0.40
			10 EA.	2X3/4 PVC SCH40 FTG X F BUSHING	0.55
			10 EA.	2X1 PVC SCH40 FTG X F BUSHING	0.55
			10 EA.	2X1-1/2 PVC SCH40 FTG X F BUSHING	0.55
			10 EA.	2-1/2X2 PVC SCH40 FT G X F BUSHING	0.78
			10 EA.	1 PVC SCH40 SXM ST 90 ELBOW	0.36
			10 EA.	1/2 PVC SCH40 SXM ADAPTOR	0.08
			10 EA.	3/4 PVC SCH40 SXM ADAPTOR	0.09
			10 EA.	1 PVC SCH40 SXM ADAPTOR	0.16
			10 EA.	1-1/4 PVC SCH40 SXM ADAPTOR	0.18
			10 EA.	1-1/2 PVC SCH40 SXM ADAPTOR	0.25
			10 EA.	2 PVC SCH40 SXM ADAPTOR	0.33
			10 EA.	2-1/2 PVC SCH40 SXM ADAPTOR	0.97
			10 EA.	3 PVC SCH40 SXM ADAPTOR	1.41
			10 EA.	4 PVC SCH40 SXM ADAPTOR	1.80
			10 EA.	6 PVC SCH40 SXM ADAPTOR	4.69
			10 EA.	3/4 PVC SCH40 SXSXS TEE	0.13
			10 EA.	1 PVC SCH40 SXSXS TEE	0.23
			10 EA.	1-1/4 PVC SCH40 SXSXS TEE	0.35
			10 EA.	1-1/2 PVC SCH40 SXSXS TEE	0.43
			10 EA.	2 PVC SCH40 SXSXS TEE	0.63
			10 EA.	2-1/2 PVC SCH40 SXSXS TEE	2.07
			10 EA.	3 PVC SCH40 SXSXS TEE	2.72
			10 EA.	4 PVC SCH40 SXSXS TEE	4.92
			10 EA.	6 PVC SCH40 SXSXS TEE	16.57
			10 EA.	8 PVC SCH40 SXSXS TEE	38.42
			10 EA.	1X3/4 PVC SCH40 THRD BUSHING	0.35
			10 EA.	2X3/4 PVC SCH40 THRD BUSHING	0.81
			10 EA.	2X1 PVC SCH40 THRD BUSHING	0.67
			10 EA.	2X1-1/2 PVC SCH40 THRD BUSHING	0.67
			10 EA.	3/4 PVC SCH40 THRD CAP	0.18
			10 EA.	1 PVC SCH40 THRD CAP	0.28
			10 EA.	1-1/2 PVC SCH40 THRD CAP	0.35
			10 EA.	2 PVC SCH40 THRD CAP	0.61
			10 EA.	1/2 PVC SCH40 THRD PLUG	0.23
			10 EA.	3/4 PVC SCH40 THRD PLUG	0.25
			10 EA.	1 PVC SCH40 THRD PLUG	0.40
			10 EA.	1-1/2 PVC SCH40 THRD PLUG	0.45
			10 EA.	2 PVC SCH40 THRD PLUG	0.59
			10 EA.	3 PVC SCH40 THRD PLUG	1.24
				****SCH 80 FITTINGS****	
NIBCO			10 EA.	4 PVC SCH80 BLIND FLANGE	20.22
			10 EA.	6 PVC SCH80 BLIND FLANGE	24.57
			10 EA.	8 PVC SCH80 BLIND FLANGE	30.75
			10 EA.	1/2 PVC SCH80 SXS 45 ELBOW	0.69
			10 EA.	3/4 PVC SCH80 SXS 45 ELBOW	1.03
			10 EA.	1 PVC SCH80 SXS 45 ELBOW	1.56
			10 EA.	1-1/4 PVC SCH80 SXS 45 ELBOW	1.98
			10 EA.	1-1/2 PVC SCH80 SXS 45 ELBOW	2.34
			10 EA.	2 PVC SCH80 SXS 45 ELBOW	3.03

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	2-1/2 PVC SCH80 SXS 45 ELBOW	6.38
			10 EA.	3 PVC SCH80 SXS 45 ELBOW	7.75
			10 EA.	4 PVC SCH80 SXS 45 ELBOW	13.95
			10 EA.	6 PVC SCH80 SXS 45 ELBOW	17.58
			10 EA.	1/2 PVC SCH80 SXS 90 ELBOW	0.36
			10 EA.	3/4 PVC SCH80 SXS 90 ELBOW	0.47
			10 EA.	1 PVC SCH80 90 ELBOW	0.74
			10 EA.	1-1/4 PVC SCH80 SXS 90 ELBOW	0.99
			10 EA.	1-1/2 PVC SCH80 SXS 90 ELBOW	1.07
			10 EA.	2 PVC SCH80 90 ELBOW	1.28
			10 EA.	2-1/2 PVC SCH80 SXS 90 ELBOW	3.01
			10 EA.	3 PVC SCH80 90 ELBOW	3.39
			10 EA.	4 PVC SCH80 SXS 90 ELBOW	5.15
			10 EA.	6 PVC SCH80 90 ELBOW	14.63
			10 EA.	8 PVC SCH80 SXS 90 ELBOW	40.32
			10 EA.	3/4X1/2 PVC SCH80 FTG XS BUSHING	0.22
			10 EA.	1X1/2 PVC SCH80 FTG XS BUSHING	0.60
			10 EA.	1X3/4 PVC SCH80 FTG XS BUSHING	0.60
			10 EA.	1-1/4X1 PVC SCH80 FTG XS BUSHING	0.94
			10 EA.	1-1/2X1 PVC SCH80 FTG XS BUSHING	1.28
			10 EA.	1-1/2X1-1/4 PVC SCH80 FTG X S BUSHING	1.28
			10 EA.	2X3/4 PVC SCH80 FTG X S BUSHING	1.84
			10 EA.	2X1 PVC SCH80 FTG X S BUSHING	1.84
			10 EA.	2X1-1/4 PVC SCH80 FTG XS BUSHING	1.84
			10 EA.	2X1-1/2 PVC SCH80 FTG XS BUSHING	1.84
			10 EA.	2-1/2X2 PVC SCH80 FTG XS BUSHING	3.18
			10 EA.	3X2 PVC SCH80 FTG X S BUSHING	5.05
			10 EA.	3X2-1/2 PVC SCH80 FTG XS BUSHING	5.05
			10 EA.	4X2 PVC SCH80 FTG X S BUSHING	6.99
			10 EA.	4X3 PVC SCH80 FTG X S BUSHING	6.99
			10 EA.	6X4 PVC SCH80 FTG X S BUSHING	9.72
			10 EA.	3/4 PVC SCH80 SLIP CAP	0.67
			10 EA.	1 PVC SCH80 SXS CAP	1.19
			10 EA.	1-1/2 PVC SCH80 SXS CAP	1.44
			10 EA.	2 PVC SCH80 SLIP CAP	2.84
			10 EA.	2-1/2 PVC SCH80 SLIP CAP	5.80
			10 EA.	3 PVC SCH80 SLIP CAP	6.81
			10 EA.	4 PVC SCH80 SLIP CAP	11.45
			10 EA.	1/2 PVC SCH80 SXS COUPLING	0.65
			10 EA.	3/4 PVC SCH80 SXS COUPLING	0.89
			10 EA.	1 PVC SCH80 SXS COUPLING	0.91
			10 EA.	1-1/4 PVC SCH80 SXS COUPLING	1.39
			10 EA.	1-1/2 PVC SCH80 SXS COUPLING	1.49
			10 EA.	2 PVC SCH80 SXS COUPLING	1.60
			10 EA.	2-1/2 PVC SCH80 SXS COUPLING	3.93
			10 EA.	3 PVC SCH80 SXS COUPLING	4.52
			10 EA.	4 PVC SCH80 SXS COUPLING	5.66
			10 EA.	6 PVC SCH80 SXS COUPLING	12.18
			10 EA.	8 PVC SCH80 SXS COUPLING	16.58
			10 EA.	3/4 PVC SCH80 SXF 90 ELBOW	1.67
			10 EA.	1 PVC SCH80 SXF 90 ELBOW	1.81
			10 EA.	1-1/2 PVC SCH80 SXF 90 ELBOW	2.48

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	2 PVC SCH80 SXF 90 ELBOW	3.22
			10 EA.	1/2 PVC SCH80 SXF ADAPTOR	0.61
			10 EA.	3/4 PVC SCH80 SXF ADAPTOR	0.91
			10 EA.	1 PVC SCH80 SXF ADAPTOR	1.34
			10 EA.	1-1/4 PVC SCH80 SXF ADAPTOR	2.17
			10 EA.	1-1/2 PVC SCH80 SXF ADAPTOR	2.66
			10 EA.	2 PVC SCH80 SXF ADAPTOR	4.64
			10 EA.	2-1/2 PVC SCH80 SXF ADAPTOR	7.31
			10 EA.	3 PVC SCH80 SXF ADAPTOR	8.23
			10 EA.	4 PVC SCH80 SXF ADAPTOR	14.15
			10 EA.	1/2X1/4 PVC SCH80 SXF BUSHING	0.58
			10 EA.	3/4X1/2 PVC SCH80 SXF BUSHING	0.39
			10 EA.	1X1/2 PVC SCH80 SXF BUSHING	0.60
			10 EA.	1X3/4 PVC SCH80 SXF BUSHING	0.60
			10 EA.	1-1/2X1 PVC SCH80 SXF BUSHING	1.53
			10 EA.	1-1/2X1-1/4 PVC SCH80 SXF BUSHING	1.53
			10 EA.	2X3/4 PVC SCH80 SXF BUSHING	1.88
			10 EA.	2X1 PVC SCH80 SXF BUSHING	1.88
			10 EA.	2X1-1/4 PVC SCH80 SXF BUSHING	1.88
			10 EA.	2X1-1/2 PVC SCH80 SXF BUSHING	1.88
			10 EA.	2-1/2X2 PVC SCH80 SXF BUSHING	3.97
			10 EA.	3X2 PVC SCH80 SXF BUSHING	7.34
			10 EA.	4X2 PVC SCH80 SXF BUSHING	11.27
			10 EA.	1/2 PVC SCH80 SXM ADAPTOR	0.77
			10 EA.	3/4 PVC SCH80 SXM ADAPTOR	0.84
			10 EA.	1 PVC SCH80 SXM ADAPTOR	1.45
			10 EA.	1-1/4 PVC SCH80 SXM ADAPTOR	1.70
			10 EA.	1-1/2 PVC SCH80 SXM ADAPTOR	2.44
			10 EA.	2 PVC SCH80 SXM ADAPTOR	3.53
			10 EA.	2-1/2 PVC SCH80 SXM ADAPTOR	4.02
			10 EA.	2-1/2 PVC SCH80 SXM ADAPTOR	4.02
			10 EA.	3 PVC SCH80 SXM ADAPTOR	4.47
			10 EA.	4 PVC SCH80 SXM ADAPTOR	7.93
			10 EA.	1/2 PVC SCH80 SXSXS TEE	1.01
			10 EA.	3/4 PVC SCH80 SXSXS TEE	1.07
			10 EA.	1 PVC SCH80 SXSXS TEE	1.33
			10 EA.	1-1/4 PVC SCH80 SXSXS TEE	3.66
			10 EA.	1-1/2 PVC SCH80 SXSXS TEE	3.66
			10 EA.	2 PVC SCH80 SXSXS TEE	4.58
			10 EA.	2-1/2 PVC SCH80 SXSXS TEE	4.98
			10 EA.	3 PVC SCH80 SXSXS TEE	7.20
			10 EA.	4 PVC SCH80 SXSXS TEE	7.20
			10 EA.	6 PVC SCH80 SXSXS TEE	24.57
			10 EA.	1/2 PVC SCH80 SXS UNION	1.32
			10 EA.	3/4 PVC SCH80 SXS UNION	1.68
			10 EA.	1 PVC SCH80 SXS UNION	1.92
			10 EA.	1-1/4 PVC SCH80 SXS UNION	3.81
			10 EA.	1-1/2 PVC SCH80 SXS UNION	4.31
			10 EA.	2 PVC SCH80 SXS UNION	5.84
			10 EA.	2-1/2 PVC SCH80 SXS UNION	29.82
			10 EA.	3 PVC SCH80 SXS UNION	10.86
			10 EA.	4 PVC S80 SXS UNION	15.03

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	3/4 PVC SCH80 THRD 45 ELBOW	1.43
			10 EA.	1 PVC SCH80 THRD 45 ELBOW	1.81
			10 EA.	2 PVC SCH80 THRD 45 ELBOW	5.14
			10 EA.	4 PVC SCH80 THRD 45 ELBOW	23.44
			10 EA.	1/2 PVC SCH80 THRD 90 ELBOW	0.83
			10 EA.	3/4 PVC SCH80 THRD 90 ELBOW	1.03
			10 EA.	1 PVC SCH80 THRD 90 ELBOW	1.31
			10 EA.	1-1/4 PVC SCH80 THRD 90 ELBOW	1.41
			10 EA.	1-1/2 PVC SCH80 THRD 90 ELBOW	2.00
			10 EA.	2 PVC SCH80 THRD 90 ELBOW	1.28
			10 EA.	1/2X1/4 PVC SCH80 THRD BUSHING	1.32
			10 EA.	3/4X1/4 PVC SCH80 THRD BUSHING	0.98
			10 EA.	3/4X1/2 PVC SCH80 THRD BUSHING	0.98
			10 EA.	1X3/4 PVC SCH80 THRD BUSHING	1.26
			10 EA.	1-1/4X1 PVC SCH80 THRD BUSHING	1.34
			10 EA.	1-1/2X1 PVC SCH80 THRD BUSHING	1.59
			10 EA.	2X3/4 PVC SCH80 THRD BUSHING	2.33
			10 EA.	2X1 PVC SCH80 THRD BUSHING	2.33
			10 EA.	2X1 PVC SCH80 THRD BUSHING	2.33
			10 EA.	2X1-1/4 PVC SCH80 THRD BUSHING	2.33
			10 EA.	2X1-1/2 PVC SCH80 THRD BUSHING	2.33
			10 EA.	2-1/2X2 PVC SCH80 THRD BUSHING	3.15
			10 EA.	3X2 PVC SCH80 THRD BUSHING	4.28
			10 EA.	4X3 PVC SCH80 THRD BUSHING	11.27
			10 EA.	3/4 PVC SCH80 THRD CAP	0.90
			10 EA.	1 PVC SCH80 THRD CAP	1.13
			10 EA.	1-1/4 PVC SCH80 THRD CAP	1.34
			10 EA.	1-1/2 PVC SCH80 THRD CAP	1.53
			10 EA.	2 PVC SCH80 THRD CAP	3.01
			10 EA.	1/2 PVC SCH80 THRD COUPLING	0.73
			10 EA.	3/4 PVC SCH80 THRD COUPLING	1.05
			10 EA.	1 PVC SCH80 THRD COUPLING	1.11
			10 EA.	1-1/2 PVC SCH80 THRD COUPLING	3.07
			10 EA.	2 PVC SCH80 THRD COUPLING	3.23
			10 EA.	3/4 PVC SCH80 THRD PLUG	0.64
			10 EA.	1 PVC SCH80 THRD PLUG	0.78
			10 EA.	1-1/2 PVC SCH80 THRD PLUG	1.40
			10 EA.	2 PVC SCH80 THRD PLUG	1.43
			10 EA.	3/4 PVC SCH80 THRD TEE	1.31
			10 EA.	1 PVC SCH80 THRD TEE	2.89
			10 EA.	1-1/4 PVC SCH80 THRD TEE	3.06
			10 EA.	1-1/2 PVC SCH80 THRD TEE	3.71
			10 EA.	2 PVC SCH80 THRD TEE	3.99
			10 EA.	3/4 PVC SCH80 THRD UNION	3.14
			10 EA.	1 PVC SCH80 THRD UNION	2.85
			10 EA.	1-1/4 PVC SCH80 THRD UNION	5.44
			10 EA.	1-1/2 PVC SCH80 THRD UNION	6.74
			10 EA.	2 PVC SCH80 THRD UNION	10.36
			10 EA.	10 PVC SCH80 VAN STONE SOC FLANGE	23.63
			10 EA.	12 PVC SCH80 VAN STONE SOC FLANGE	25.69
			10 EA.	2 PVC SCH80 VAN STONE SOC FLANGE	3.28
			10 EA.	3 PVC SCH80 VAN STONE SOC FLANGE	5.67

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	4 PVC SCH80 VAN STONE SOC FLANGE	7.09
			10 EA.	6 PVC SCH80 VAN STONE SOC FLANGE	11.16
			10 EA.	8 PVC SCH80 VAN STONE SOC FLANGE	18.17
			10 EA.	1/2XCLOSE PVC SCH80 NIPPLE	0.13
			10 EA.	1/2X3 PVC SCH80 NIPPLE	0.16
			10 EA.	1/2X6 PVC SCH80 NIPPLE	0.22
			10 EA.	3/4XCLOSE PVC SCH80 NIPPLE	0.13
			10 EA.	3/4X2 PVC SCH80 NIPPLE	0.13
			10 EA.	3/4X3 PVC SCH80 NIPPLE	0.16
			10 EA.	3/4X4 PVC SCH80 NIPPLE	0.18
			10 EA.	3/4X6 PVC SCH80 NIPPLE	0.24
			10 EA.	1XCLOSE PVC SCH80 NIPPLE	0.18
			10 EA.	1X3 PVC SCH80 NIPPLE	0.22
			10 EA.	1X4 PVC SCH80 NIPPLE	0.27
			10 EA.	1X6 PVC SCH80 NIPPLE	0.34
			10 EA.	1-1/4XCLOSE PVC SCH80 NIPPLE	0.36
			10 EA.	1-1/4X3 PVC SCH80 NIPPLE	0.55
			10 EA.	1-1/4X4 PVC SCH80 NIPPLE	0.67
			10 EA.	1-1/4X6 PVC SCH80 NIPPLE	0.70
			10 EA.	1-1/2XCLOSE PVC SCH80 NIPPLE	0.43
			10 EA.	1-1/2X3 PVC SCH80 NIPPLE	0.58
			10 EA.	1-1/2X4 PVC SCH80 NIPPLE	0.67
			10 EA.	1-1/2X6 PVC SCH80 NIPPLE	0.81
			10 EA.	1-1/2X6 PVC SCH80 NIPPLE	0.81
			10 EA.	2XCLOSE PVC SCH80 NIPPLE	0.67
			10 EA.	2X3 PVC SCH80 NIPPLE	0.73
			10 EA.	2X4 PVC SCH80 NIPPLE	0.93
			10 EA.	2X6 PVC SCH80 NIPPLE	1.23
			10 EA.	2X8 PVC SCH80 NIPPLE	2.20
			10 EA.	3XCLOSE PVC SCH80 NIPPLE	3.35
			10 EA.	3X4 PVC SCH80 NIPPLE	4.26
			10 EA.	3X6 PVC SCH80 NIPPLE	5.47
			10 EA.	4XCLOSE PVC SCH80 NIPPLE	5.47
			10 EA.	4X6 PVC SCH80 NIPPLE	7.15
				GRAND TOTAL (UNIT COST)	1,239.36
SECTION 6				****MECHANICAL FITTINGS****	
UNION/TYLER			10 EA.	10 MJ C153 11-1/4 BEND L/A	63.87
			10 EA.	12 MJ C153 11-1/4 BEND L/A	87.24
			10 EA.	16 MJ C153 11-1/4 BEND L/A	229.79
			10 EA.	20 MJ C153 11-1/4 BEND L/A	459.10
			10 EA.	4 MJ C153 11-1/4 BEND L/A	21.03
			10 EA.	6 MJ C153 11-1/4 BEND L/A	29.60
			10 EA.	8 MJ C153 11-1/4 BEND L/A	46.74
			10 EA.	10 MJ C153 22-1/2 BEND L/A	63.10
			10 EA.	12 MJ C153 22-1/2 BEND L/A	86.07
			10 EA.	14 MJ C153 22-1/2 BEND L/A	190.84
			10 EA.	16 MJ C153 22-1/2 BEND L/A	215.77
			10 EA.	3 MJ C153 22-1/2 BEND L/A	17.14
			10 EA.	4 MJ C153 22-1/2 BEND L/A	19.08
			10 EA.	6 MJ C153 22-1/2 BEND L/A	29.60
			10 EA.	8 MJ C153 22-1/2 BEND L/A	45.96

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	10 MJ C153 45 BEND L/A	62.32
			10 EA.	12 MJ C153 45 BEND L/A	84.91
			10 EA.	14 MJ C153 45 BEND L/A	185.39
			10 EA.	16 MJ C153 45 BEND L/A	215.77
			10 EA.	18 MJ C153 45 BEND L/A	398.04
			10 EA.	20 MJ C153 45 BEND L/A	482.17
			10 EA.	24 MJ C153 45 BEND L/A	708.06
			10 EA.	3 MJ C153 45 BEND L/A	16.36
			10 EA.	4 MJ C153 45 BEND L/A	19.08
			10 EA.	6 MJ C153 45 BEND L/A	28.82
			10 EA.	8 MJ C153 45 BEND L/A	45.18
			10 EA.	10 MJ C153 90 BEND L/A	80.62
			10 EA.	12 MJ C153 90 BEND L/A	103.99
			10 EA.	14 MJ C153 90 BEND L/A	246.15
			10 EA.	16 MJ C153 90 BEND L/A	280.81
			10 EA.	18 MJ C153 90 BEND L/A	537.86
			10 EA.	20 MJ C153 90 BEND L/A	619.26
			10 EA.	24 MJ C153 90 BEND L/A	962.00
			10 EA.	3 MJ C153 90 BEND L/A	17.92
			10 EA.	4 MJ C153 90 BEND L/A	20.64
			10 EA.	6 MJ C153 90 BEND L/A	33.11
			10 EA.	8 MJ C153 90 BEND L/A	51.41
			10 EA.	3 MJXFLANGE C153 ADAPTOR L/A	29.60
			10 EA.	4 MJXFLANGE C153 ADAPTOR L/A	31.94
			10 EA.	6 MJXFLANGE C153 ADAPTOR L/A	33.88
			10 EA.	8 MJXFLANGE C153 ADAPTOR L/A	45.57
			10 EA.	10X6 LEMJ C153 RED L/A	44.01
			10 EA.	10X8 LEMJ C153 RED L/A	48.68
			10 EA.	12X10 LEMJ C153 RED L/A	67.38
			10 EA.	12X6 LEMJ C153 RED L/A	59.98
			10 EA.	12X8 LEMJ C153 RED L/A	64.65
			10 EA.	4X3 LEMJ C153 RED L/A	18.31
			10 EA.	6X3 LEMJ C153 RED L/A	28.42
			10 EA.	6X4 LEMJ C153 RED L/A	24.15
			10 EA.	8X4 LEMJ C153 RED L/A	32.33
			10 EA.	8X6 LEMJ C153 RED L/A	36.22
			16 EA.	10X12 MJ C153 LONG SLV L/A	52.19
			16 EA.	12X12 MJ C153 LONG SLV L/A	65.43
			16 EA.	14 MJ C153 LONG SLV L/A	148.78
			16 EA.	16X15 MJ C153 LONG SLV L/A	174.87
			16 EA.	18 MJ C153 LONG SLV L/A	371.56
			16 EA.	20 MJ C153 LONG SLV L/A	375.84
			16 EA.	24 MJ C153 LONG SLV L/A	526.57
			16 EA.	3 MJ C153 LONG SLV L/A	20.64
			16 EA.	4X12 MJ C153 LONG SLV L/A	21.42
			16 EA.	6X12 MJ C153 LONG SLV L/A	31.55
			16 EA.	8X12 MJ C153 LONG SLV L/A	41.28
			10 EA.	10 MJXPE C153 45 BEND L/A	74.76
			10 EA.	12 MJXPE C153 45 BEND L/A	94.39
			10 EA.	3 MJXPE C153 45 BEND L/A	27.47
			10 EA.	4 MJXPE C153 45 BEND L/A	24.93
			10 EA.	6 MJXPE C153 45 BEND L/A	40.89

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	8 MJXPE C153 45 BEND L/A	50.24
			10 EA.	10 MJXPE C153 90 BEND L/A	118.42
			10 EA.	4 MJXPE C153 90 BEND L/A	25.71
			10 EA.	6 MJXPE C153 90 BEND L/A	40.89
			10 EA.	8 MJXPE C153 90 BEND L/A	59.59
			10 EA.	10X4 MJ C153 RED L/A	41.28
			10 EA.	10X6 MJ C153 RED L/A	42.06
			10 EA.	10X8 MJ C153 RED L/A	47.13
			10 EA.	12X10 MJ C153 RED L/A	66.99
			10 EA.	12X4 MJ C153 RED L/A	56.08
			10 EA.	12X6 MJ C153 RED L/A	56.08
			10 EA.	12X8 MJ C153 RED L/A	61.73
			10 EA.	16X12 MJ C153 RED L/A	166.31
			10 EA.	16X6 MJ C153 RED L/A	147.61
			10 EA.	16X8 MJ C153 RED L/A	151.51
			10 EA.	4X3 MJ C153 RED L/A	18.31
			10 EA.	6X3 MJ C153 RED L/A	22.98
			10 EA.	6X4 MJ C153 RED L/A	22.59
			10 EA.	8X4 MJ C153 RED L/A	32.33
			10 EA.	8X6 MJ C153 RED L/A	35.05
			10 EA.	10 MJ C153 SLD CAP L/A	29.21
			10 EA.	12 MJ C153 SLD CAP L/A	35.44
			10 EA.	16 MJ C153 SLD CAP L/A	117.23
			10 EA.	3 MJ C153 SLD CAP L/A	8.18
			10 EA.	4 MJ C153 SLD CAP L/A	8.57
			10 EA.	6 MJ C153 SLD CAP L/A	13.63
			10 EA.	8 MJ C153 SLD CAP L/A	21.03
			10 EA.	10X4 SEMJ C153 RED L/A	48.79
			10 EA.	10X6 SEMJ C153 RED L/A	43.62
			10 EA.	10X8 SEMJ C153 RED L/A	47.13
			10 EA.	12X10 SEMJ C153 RED L/A	65.43
			10 EA.	12X4 SEMJ C153 RED L/A	66.79
			10 EA.	12X6 SEMJ C153 RED L/A	57.64
			10 EA.	12X8 SEMJ C153 RED L/A	62.32
			10 EA.	12X8 SEMJ C153 RED L/A	62.32
			10 EA.	16X10 SEMJ C153 RED L/A	216.95
			10 EA.	16X12 SEMJ C153 RED L/A	179.94
			10 EA.	16X8 SEMJ C153 RED L/A	156.57
			10 EA.	4X3 SEMJ C153 RED L/A	17.14
			10 EA.	6X3 SEMJ C153 RED L/A	21.03
			10 EA.	6X4 SEMJ C153 RED L/A	23.37
			10 EA.	8X4 SEMJ C153 RED L/A	32.72
			10 EA.	8X6 SEMJ C153 RED L/A	35.83

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	6X13 MJ C153 SWVL HYD ADPT	49.46
			10 EA.	10 MJ C153 SLD PLUG	29.60
			10 EA.	12 MJ C153 SLD PLUG	37.78
			10 EA.	16 MJ C153 SLD PLUG	128.53
			10 EA.	24 MJ C153 SLD PLUG	358.32
			10 EA.	3 MJ C153 SLD PLUG	8.18
			10 EA.	4 MJ C153 SLD PLUG	8.57
			10 EA.	6 MJ C153 SLD PLUG	14.41
			10 EA.	8 MJ C153 SLD PLUG	20.64
			10 EA.	10X6 MJ C153 SWVL TEE L/A	125.02
			10 EA.	12X6 MJ C153 SWVL TEE L/A	153.06
			10 EA.	16X6 MJ C153 SWVL TEE L/A	346.63
			10 EA.	6 MJ C153 SWVL TEE L/A	71.66
			10 EA.	8 MJ C153 SWVL TEE L/A	103.21
			10 EA.	8X6 MJ C153 SWVL TEE L/A	88.41
			10 EA.	10X2 MJ C153 TAP CAP L/A	35.44
			10 EA.	12X2 MJ C153 TAP CAP L/A	43.23
			10 EA.	14X2 MJ C153 TAP CAP L/A	123.85
			10 EA.	16X2 MJ C153 TAP CAP L/A	131.25
			10 EA.	20X2 MJ C153 TAP CAP L/A	238.75
			10 EA.	3X2 MJ C153 TAP CAP L/A	15.19
			10 EA.	4X2 MJ C153 TAP CAP L/A	15.58
			10 EA.	4X3 MJ C153 TAP CAP L/A	57.79
			10 EA.	6X2 MJ C153 TAP CAP L/A	21.42
			10 EA.	6X4 MJ C153 TAP CAP L/A	66.32
			10 EA.	8X2 MJ C153 TAP CAP L/A	28.82
			10 EA.	8X3 MJ C153 TAP CAP L/A	85.74
			10 EA.	10 MJ C153 TEE L/A	103.99
			10 EA.	10X4 MJ C153 TEE L/A	84.91
			10 EA.	10X6 MJ C153 TEE L/A	88.41
			10 EA.	10X8 MJ C153 TEE L/A	91.14
			10 EA.	12 MJ C153 TEE L/A	141.77
			10 EA.	12X10 MJ C153 TEE L/A	135.15
			10 EA.	12X4 MJ C153 TEE L/A	108.27
			10 EA.	12X6 MJ C153 TEE L/A	109.05
			10 EA.	12X8 MJ C153 TEE L/A	113.73
			10 EA.	16 MJ C153 TEE L/A	384.41
			10 EA.	3 MJ C153 TEE L/A	25.32
			10 EA.	4 MJ C153 TEE L/A	31.16
			10 EA.	4X3 MJ C153 TEE L/A	31.94
			10 EA.	6 MJ C153 TEE L/A	45.18
			10 EA.	6X3 MJ C153 TEE L/A	39.73
			10 EA.	6X4 MJ C153 TEE L/A	41.28
			10 EA.	8 MJ C153 TEE L/A	69.72
			10 EA.	8X3 MJ C153 TEE L/A	61.54
			10 EA.	8X4 MJ C153 TEE L/A	58.81
			10 EA.	8X6 MJ C153 TEE L/A	63.87

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	10X2 MJ C153 TAP PLUG	35.83
			10 EA.	12X2 MJ C153 TAP PLUG	44.40
			10 EA.	16X2 MJ C153 TAP PLUG	139.43
			10 EA.	3X2 MJ C153 TAP PLUG	14.80
			10 EA.	4X2 MJ C153 TAP PLUG	15.19
			10 EA.	6X2 MJ C153 TAP PLUG	21.81
			10 EA.	8X2 MJ C153 TAP PLUG	27.26
			10 EA.	3 MJ C153 WYE L/A	74.39
			10 EA.	4 MJ C153 WYE L/A	69.72
			10 EA.	4X3 MJ C153 WYE L/A	66.99
			10 EA.	6 MJ C153 WYE L/A	86.07
			10 EA.	6X4 MJ C153 WYE L/A	83.74
			10 EA.	8 MJ C153 WYE L/A	128.53
			10 EA.	8X4 MJ C153 WYE L/A	111.00
			10 EA.	8X6 MJ C153 WYE L/A	113.27
				GRAND TOTAL (UNIT COST)	17,364.93
SECTION 7				****FLANGE FITTINGS****	
UNION/TYLER			10 EA.	10 DI 125# BLIND FLANGE	50.24
			10 EA.	12 DI 125# BLIND FLANGE	66.99
			10 EA.	3 DI 125# BLIND FLANGE	7.01
			10 EA.	4 DI 125# BLIND FLANGE	11.68
			10 EA.	6 DI 125# BLIND FLANGE	20.64
			10 EA.	8 DI 125# BLIND FLANGE	33.49
			10 EA.	2 DI 125# THRD COMP FLNG F/ STL	5.97
			10 EA.	3 DI 125# THRD COMP FLNG F/ STL	6.12
			10 EA.	4 DI 125# THRD COMP FLNG F/ STL	9.05
			10 EA.	6 DI 125# THRD COMP FLNG F/ STL	10.95
			10 EA.	10 DI 125# FLANGE 45 BEND	135.93
			10 EA.	12 DI 125# FLANGE 45 BEND	199.02
			10 EA.	3 DI 125# FLANGE 45 BEND	25.71
			10 EA.	4 DI 125# FLANGE 45 BEND	33.88
			10 EA.	6 DI 125# FLANGE 45 BEND	49.46
			10 EA.	8 DI 125# FLANGE 45 BEND	73.22
			10 EA.	10 DI 125# FLANGE 90 BEND	148.39
			10 EA.	12 DI 125# FLANGE 90 BEND	212.26
			10 EA.	16 DI 125# FLANGE 90 BEND	521.89
			10 EA.	3 DI 125# FLANGE 90 BEND	22.20
			8 EA.	4 DI 125# FLANGE 90 BEND	33.49
			8 EA.	6 DI 125# FLANGE 90 BEND	51.02
			6 EA.	8 DI 125# FLANGE 90 BEND	80.59
			10 EA.	10X8 DI 125# FLANGE CONC RED	154.23
			10 EA.	4X3 DI 125# FLANGE CONC RED	47.91
			10 EA.	6X4 DI 125# FLANGE CONC RED	68.16
			10 EA.	8X6 DI 125# FLANGE CONC RED	88.41
			10 EA.	10 DI 125# FLANGE TEE	209.93
			10 EA.	3 DI 125# FLANGE TEE	39.73
			10 EA.	4 DI 125# FLANGE TEE	54.14

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	4X3 DI 125# FLANGE TEE	59.98
			10 EA.	6 DI 125# FLANGE TEE	76.73
			10 EA.	6X4 DI 125# FLANGE TEE	78.28
			10 EA.	8 DI 125# FLANGE TEE	132.42
			10 EA.	8X4 DI 125# FLANGE TEE	133.98
			10 EA.	8X6 DI 125# FLANGE TEE	131.25
			10 EA.	10X2 DI 125# TAP BLIND FLANGE	62.32
			10 EA.	3X2 DI 125# TAP BLIND FLANGE	19.86
			10 EA.	4X2 DI 125# TAP BLIND FLANGE	23.76
			10 EA.	6X2 DI 125# TAP BLIND FLANGE	31.94
			10 EA.	6X3 DI 125# TAP BLIND FLANGE	52.97
			10 EA.	8X2 DI 125# TAP BLIND FLANGE	45.18
				GRAND TOTAL (UNIT COST)	3,320.38
SECTION 8				****GATE VALVES ****	
AFC			10 EA.	4 FLANGE RW DI OL GATE VALVE - NRS	188.00
			10 EA.	4 MJ RW DI OL GATE VALVE L/A	198.00
			10 EA.	4 MJ RW DI OL TAPN VALVE L/A	250.00
			10 EA.	6 FLANGE RW DI OL GATE VALVE - NRS	252.00
			10 EA.	6 MJ RW DI OL GATE VALVE L/A	250.00
			10 EA.	8 FLANGE RW DI OL GATE VALVE - NRS	391.00
			10 EA.	8 MJ RW DI OL GATE VALVE W/A	393.00
			10 EA.	8 MJ RW DI OL TAPN VALVE L/A	515.00
			10 EA.	10 FLANGE RW DI OL GATE VALVE - NRS	620.00
			10 EA.	10 MJ RW DI OL GATE VALVE L/A	615.00
			10 EA.	12 MJ RW DI OL GATE VALVE L/A	770.00
			10 EA.	16 MJ RW DI OL GATE VALVE L/A	2,010.00
			10 EA.	2 THRD RW OL GATE VALVE	124.00
			10 EA.	3 FLANGE RW OL GATE VALVE - NRS	169.00
			10 EA.	3 MJ RW OL GATE VALVE L/A	176.00
			10 EA.	3" FLG RW OL GATE VLV - OSY	199.00
			10 EA.	4" FLG RW OL GATE VLV - OSY	256.00
			10 EA.	6" FLG RW OL GATE VLV - OSY	330.00
			10 EA.	8" FLG RW OL GATE VLV - OSY	510.00
			10 EA.	10" FLG RW OL GATE VLV - OSY	710.00
				GRAND TOTAL (UNIT COST)	8,926.00
SECTION 9				****METER BOXES****	
			100 EA.	QUAZITE PG1118BB12 BOX	NO BID
			100 EA.	QUAZITE PG1118WAP1 COVER	NO BID
CDR SYSTEMS			100 EA.	CDR WB00-1118-12 BOX	29.47
CDR SYSTEMS			100 EA.	CDR WC00-1118-2C COVER	18.95
			100 EA.	QUAZITE PG1730BB12 BOX	NO BID
			100 EA.	QUAZITE PG1730WAP1 COVER	NO BID
CDR SYSTEMS			100 EA.	CDR WB-1730-12 BOX	58.95
CDR SYSTEMS			100 EA.	CDR WC00-1730-2C COVER	45.26
			100 EA.	QUAZITE PG1015WAR.1	NO BID
CDR SYSTEMS			100 EA.	CDR R-1071-2C	18.95
			100 EA.	QUAZITE PG1730WAP1	NO BID
CDR SYSTEMS			100 EA.	CDR WC00-1730-2C	45.26
				GRAND TOTAL (UNIT COST)	216.84

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
SECTION 10					
****HYDRANTS AND ASSEMBLIES****					
AFC			10 EA.	5-1/4 VO HYD 3'6" BURY	775.00
			10 EA.	5-1/4 VO HYD 4'0 BURY OL L/A	801
			10 EA.	5-1/4 VO HYD 4'6 BURY OL L/A	810.00
			10 EA.	6 HYD EXT 5-1/4	128.00
			10 EA.	12 HYD EXT 5-1/4	150.00
			10 EA.	18 HYD EXT 5-1/4	170.00
			10 EA.	24 HYD EXT 5-1/4	193.00
			10 EA.	30 HYD EXT 5-1/2	218.00
				GRAND TOTAL (UNIT COST)	3,245.00
SECTION 11					
****METER ASSEMBLY PARTS****					
FORD METER BOX			10 EA.	3/4 INS STIFFENER F/ CTS	0.57
			10 EA.	1 INS STIFFENER F/ CTS	0.60
			10 EA.	1-1/2 INS STIFFENER F/ CTS	0.82
			10 EA.	2 INS STIFFENER F/ CTS	0.82
			10 EA.	3/4 FIP X FIP BALL CURB ST LW	8.18
			10 EA.	1 FIP X FIP BALL CURB ST LW	14.42
			10 EA.	1-1/2 FIP X FIP BALL CURB ST LW	36.80
			10 EA.	2 FIP X FIP BALL CURB ST LW	53.59
			10 EA.	3/4 CTS COMP X FIP BALL CURB LW	9.67
			10 EA.	1 CTS COMP X 3/4 FIP BALL CURB LW	16.31
			10 EA.	1 CTS COMP X FIP BALL CURB LW	17.24
			10 EA.	1-1/2 CTS COMP X FIP BALL CURB LW	43.61
			10 EA.	2 CTS COMP X FIP BALL CURB LW	60.43
			10 EA.	2 CTS GRIP COMP X FIP BALL CURB	60.43
			10 EA.	3/4 CTS COMP X MTR STR BV LW	16.72
			10 EA.	3/4 CTS GRIP X MTR BALL CURB LW	16.72
			10 EA.	1 CTS COMP X 3/4 MTR BALL CURB LW	18.06
			10 EA.	1 CTS X 3/4 GRIP MTR BALL CURB LW	18.06
			10 EA.	1 CTS COMP X MTR STR BALL CURB LW	20.09
			10 EA.	1 CTS GRIP X MTR BALL CURB LW	20.09
			10 EA.	1 CTS COMP X MTR STR BALL CURB LW	20.09
			10 EA.	3/4 CTS X CTS SERVICE VALVE	10.43
			10 EA.	1 CTS COMPXCOMP BALL CURB ST	24.63
			10 EA.	1-1/2 FIP X MTR STR BV LW	38.15
			10 EA.	2 FIP X MTR STR BV LW	60.83
			10 EA.	1-1/2 PVC COMP X MTR FLNG BALL CURB	47.21
			10 EA.	2 PVC COMP X MTR FLANGE STR BV	72.16
			10 EA.	1-1/2 FIP X MTR FLANGE ANG BV	50.02
			10 EA.	3/4 FCT X CTS GRIP COUPLING	4.33
			10 EA.	3/4 FIP X CTS COMP COUPLING	3.81
			10 EA.	3/4 FIP X CTS GRIP COMP COUPLING	3.81
			10 EA.	3/4 FIP X 1 CTS COMP COUPLING	4.49
			10 EA.	1 FIP X CTS COMP COUPLING	5.19
			10 EA.	1 FIP X CTS GRIP COMP COUPLING	5.19
			10 EA.	1-1/2 FIP X CTS COMP COUPLING	13.78
			10 EA.	1-1/2 FIP X 2 CPJ COUPLING	14.79
			10 EA.	2 FIP X CTS COMP COUPLING	16.41
			10 EA.	2 FIP X CTS GRIP COMP COUPLING	16.41
			10 EA.	3/4X2-1/2 MIP STR MTR COUPLING	2.36

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	1X2-5/8 MIP STR MTR COUPLING	3.63
			10 EA.	1-1/2X2-7/8 MIP STR MTR COUPLING	9.20
			10 EA.	2X3-1/16 MIP STR MTR COUPLING	12.81
			10 EA.	3/4 CTS COMP X CTS COMP COUPLING	4.43
			10 EA.	3/4 CTS X CTS GRIP COMP COUPLING	4.43
			10 EA.	3/4 CTS COMP X 1 CTS COMP COUPLING	5.14
			10 EA.	3/4 CTS X 1 CTS GRIP COUPLING	5.14
			10 EA.	1 CTS X CTS COMP COUPLING	5.06
			10 EA.	1-1/2 CTS COMP X CTS COMP COUPLING	15.48
			10 EA.	2 CTS COMP X CTS COMP COUPLING	20.91
			10 EA.	1 CTS X PVC COMP COUPLING	8.64
			10 EA.	1 PE COMP X PE COMP COUPLING	11.04
			10 EA.	2 PVC X PVC COMP COUPLING	29.60
			10 EA.	3/4 MIP X CTS COMP COUPLING	3.63
			10 EA.	3/4 MIP X CTS GRIP COMP COUPLING	3.63
			10 EA.	3/4 MIP X 1 CTS COMP COUPLING	4.02
			10 EA.	1 MIP X 3/4 CTS COMP COUPLING	3.97
			10 EA.	1 MIP X 1 CTS COMP COUPLING	4.31
			10 EA.	1 MIP X 1 CTS GRIP COMP COUPLING	4.31
			10 EA.	1-1/2 MIP X CTS COMP COUPLING	10.77
			10 EA.	2 MIP X CTS COMP COUPLING	15.70
			10 EA.	2 MIP X CTS GRIP COMP COUPLING	15.70
			10 EA.	1 MIP X PE COMP COUPLING	6.99
			10 EA.	1 MIP X PVC COMP COUPLING	7.50
			10 EA.	2 MIP X IPS COMP COUPLING	19.62
			10 EA.	1-1/2 FLANGE X 1-1/2 FIP BRZ MTR FLANGE	9.60
			10 EA.	2 FIP BRZ MTR FLANGE	12.54
			10 EA.	2 LOCK PK MTR COUPLING	19.96
			10 EA.	5/8X3/4 MTR YOKE EXP CONN	4.85
			10 EA.	1 CC X CTS COMP CORP ST	12.27
			10 EA.	3/4 MIP X CTS COMP CORP ST	8.12
			10 EA.	3/4 MIP X CTS GRIP CORP ST	8.12
			10 EA.	1 MIP X CTS COMP CORP ST	12.27
			10 EA.	1 MIP X CTS GRIP CORP ST	12.27
			10 EA.	1 MIP X PE COMP CORP ST	16.56
			10 EA.	1 MIP X PVC CORP ST	16.56
			10 EA.	3/4 MIP X FIP CORP ST	8.12
			10 EA.	1 MIP X FIP CORP ST	11.81
			10 EA.	3/4 MIP X MIP CORP ST	6.96
			10 EA.	1 MIP X MIP CORP ST	10.53
			10 EA.	1 MIP X CTS COMP BALLCORP ST	15.42
			10 EA.	1-1/2 MIP X CTS COMP BALLCORP ST	31.59
			10 EA.	2 MIP X CTS COMP BALLCORP ST	52.26
			10 EA.	1 MIP X PVC COMP BALLCORP ST	17.63
			10 EA.	1-1/2 MIP X PVC COMP BALLCORP ST	38.44
			10 EA.	2 MIP X PVC COMP BALLCORP ST	55.19
			10 EA.	1 MIP X FIP BALLCORP ST	12.99
			10 EA.	1-1/2 MIP X FIP BALLCORP ST	30.57
			10 EA.	2 MIP X FIP BALLCORP ST	49.44
			10 EA.	1 MIP X MIP BALLCORP ST	13.40
			10 EA.	1-1/2 MIP X MIP BALLCORP ST	29.00
			10 EA.	3/4 CTS COMP 90 BEND	5.72

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	2 CTS COMP 90 BEND	43.63
			10 EA.	3/4 CTS COMP TEE	10.71
			10 EA.	3/4 CTS GRIP TEE	10.71
			10 EA.	1 CTS COMP TEE	11.45
			10 EA.	1-1/2 CTS COMP TEE	23.36
			10 EA.	2 CTS COMP TEE	56.98
			10 EA.	1 PE COMP TEE	26.43
			10 EA.	2X1 FIP MULTI SERVICE WYE	17.08
			10 EA.	1X3/4 CTS COMP WYE BRCH	9.58
			10 EA.	1X3/4 CTS GRIP WYE BRCH	9.58
			10 EA.	1-1/2X1 CTS COMP WYE BRCH	21.19
			10 EA.	2X1 CTS COMP WYE BRCH	24.49
			10 EA.	10X15 SS REP CLMP 10.64-11.04	67.82
			10 EA.	12X15 SS REP CLMP 13.10-13.50	77.16
			10 EA.	2X7-1/2 SS REP CLMP 2.35-2.63	21.87
			10 EA.	3X10 SS REP CLMP 3.46-3.70	28.87
			10 EA.	4X10 SS REP CLMP 4.45-4.73	29.78
			10 EA.	4X15 SS REP CLMP 4.45-4.73	40.16
			10 EA.	4X15 SS REP CLMP 4.74-5.14	43.63
			10 EA.	6X15 SS REP CLMP 6.56-6.96	43.60
			10 EA.	6X15 SS REP CLMP 6.84-7.24	43.25
			10 EA.	8X15 SS REP CLMP 8.54-8.94	52.56
			10 EA.	8X12-1/2 SS REP CLMP 8.99-9.39	45.97
			10 EA.	8X15 SS REP CLMP 8.99-9.39	52.56
			10 EA.	10X3/4 IP DBL STRP SDL IPS PVC	20.91
			10 EA.	10X3/4 IP DBL STRP SDL PVC DI	20.91
			10 EA.	10X1 IP DBL STRP SDL PVC DI	20.91
			10 EA.	10X1-1/2 IP DBL STRP SDL PVC DI	26.98
			10 EA.	10X2 IP DBL STRP SDL PVC DI	26.98
			10 EA.	10X1 IP DBL STRP SDL DI AC	20.91
			10 EA.	10X2 IP DBL STRP SDL DI AC	26.98
			10 EA.	12X3/4 IP DBL STRP SDL PVC DI	26.65
			10 EA.	12X1 IP DBL STRP SDL PVC DI	26.65
			10 EA.	12X1-1/2 IP DBL STRP SDL PVC DI	33.66
			10 EA.	12X2 IP DBL STRP SDL PVC DI	33.66
			10 EA.	12X1 IP DBL STRP SDL DI AC	26.65
			10 EA.	12X2 IP DBL STRP SDL DI AC	33.66
			10 EA.	14X1 IP DBL STRP SDL PVC DI	33.57
			10 EA.	16X1 IP DBL STRP SDL DI	41.76
			10 EA.	16X2 IP DBL STRP SDL DI	57.15
			10 EA.	2X1 IP DBL STRP SDL IPS PVC	9.94
			10 EA.	3X1 IP DBL STRP SDL IPS PVC	12.77
			10 EA.	3X2 IP DBL STRP SDL IPS PVC	14.55
			10 EA.	4X1 IP DBL STRP SDL IPS PVC	11.89
			10 EA.	4X1-1/2 IP DBL STRP SDL IPS PVC	14.94
			10 EA.	4X3/4 IP DBL STRP SDL PVC DI	12.73
			10 EA.	4X1 IP DBL STRP SDL PVC DI	12.73
			10 EA.	4X1-1/2 IP DBL STRP SDL PVC DI	16.25
			10 EA.	4X2 IP DBL STRP SDL PVC DI	16.25
			10 EA.	4X1 IP DBL STRP SDL DI AC	12.73
			10 EA.	4X2 IP DBL STRP SDL DI AC	16.25
			10 EA.	6X3/4 IP DBL STRP SDL PVC DI	15.04

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	6X1 IP DBL STRP SDL PVC DI	15.04
			10 EA.	6X1-1/2 IP DBL STRP SDL PVC DI	18.74
			10 EA.	6X2 IP DBL STRP SDL PVC DI	18.74
			10 EA.	6X1 IP DBL STRP SDL DI AC	15.71
			10 EA.	6X2 IP DBL STRP SDL DI AC	19.12
			10 EA.	8X1 IP DBL STRP SDL IPS PVC	15.84
			10 EA.	8X1-1/2 IP DBL STRP SDL IPS PVC	20.71
			10 EA.	8X2 IP DBL STRP SDL IPS PVC	20.71
			10 EA.	8X1 CC DBL STRP SDL PVC DI	17.19
			10 EA.	8X3/4 IP DBL STRP SDL PVC DI	17.19
			10 EA.	8X1 IP DBL STRP SDL PVC DI	17.19
			10 EA.	8X1-1/2 IP DBL STRP SDL PVC DI	21.44
			10 EA.	8X2 IP DBL STRP SDL PVC DI	21.44
			10 EA.	8X1 IP DBL STRP SDL DI AC	17.19
			10 EA.	8X2 IP DBL STRP SDL DI AC	21.44
PROFLO			10 EA.	3/4 BRZ 125# IPS CHK VALVE	3.80
			10 EA.	1 BRZ 125# IPS CHK VALVE	5.02
			10 EA.	2 BRZ 125# IPS CHK VALVE	16.26
PROFLO			10 EA.	3/4 PVC IPS COMP COUPLING	1.14
			10 EA.	1 PVC IPS COMP COUPLING	1.77
			10 EA.	1-1/4 PVC IPS COMP COUPLING	2.35
			10 EA.	1-1/2 PVC IPS COMP COUPLING	2.98
			10 EA.	2 PVC IPS COMP COUPLING	4.16
			10 EA.	2-1/2 PVC IPS COMP COUPLING	8.44
			10 EA.	3 PVC IPS COMP COUPLING	12.47
			10 EA.	4 PVC IPS COMP COUPLING	17.40
			10 EA.	6 PVC IPS COMP COUPLING	31.03
PROFLO			10 EA.	3/4 SW PVC 1PC BV	1.61
			10 EA.	1 SW PVC 1PC BV	2.25
			10 EA.	1-1/2 SW PVC 1PC BV	4.43
			10 EA.	2 SW PVC 1PC BV	6.25
PROFLO			10 EA.	3/4 BRZ 200# IPS WOG GATE VALVE	2.26
			10 EA.	1 BRZ 200# IPS WOG GATE VALVE	3.39
			10 EA.	1-1/2 BRZ 200# IPS WOG GATE VALVE	6.26
			10 EA.	2 BRZ 200# IPS WOG GATE VALVE	9.53
			10 EA.	3 BRZ 200# IPS WOG GATE VALVE	28.45
			10 EA.	4 BRZ 200# IPS WOG GATE VALVE	44.86
PROFLO			10 EA.	1/2 BRZ IPS HOSE BIBB	1.61
			10 EA.	3/4 BRZ IPS HOSE BIBB	1.74
PROFLO			10 EA.	1/2 BRZ 400# WOG IPS BV	2.41
			10 EA.	3/4 BRZ 400# WOG IPS BV	3.22
			10 EA.	1 BRZ 400# WOG IPS BV	5.14
			10 EA.	1-1/4 BRZ 400# WOG IPS BV	11.06
			10 EA.	1-1/2 BRZ 400# WOG IPS BV	13.90
			10 EA.	2 BRZ 400# WOG IPS BV	15.23
			10 EA.	4 BRZ 400# WOG IPS BV	109.25
				GRAND TOTAL (UNIT COST)	3,719.01

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
SEWER					
SECTION 12				****PLUG VALVES****	
DEZURIK			10 EA.	10 CI FLANGE NON LUB PLUG VALVE	1,381.25
			6 EA.	4 CI FLANGE NON LUB PLUG VALVE	397.50
			6 EA.	6 CI FLANGE NON LUB PLUG VALVE	713.75
			4 EA.	8 CI FLANGE NON LUB PLUG VALVE	1,102.50
			1 EA.	16 MJ NON LUB PLUG VALVE	2,788.75
			10 EA.	10 MJ NON LUB PLUG VALVE L/A	1,553.75
			2 EA.	12 MJ NON LUB PLUG VALVE L/A	2,213.75
			10 EA.	3 MJ NON LUB PLUG VALVE L/A	301.25
			3 EA.	4 MJ NON LUB PLUG VALVE L/A	502.50
			3 EA.	6 MJ NON LUB PLUG VALVE L/A	861.25
			2 EA.	8 MJ NON LUB PLUG VALVE L/A	1,164.71
			1 EA.	4 CI FLANGE 3 WAY NON LUB PLUG VALVE	1,031.25
			1 EA.	6 CI FLANGE 3 WAY NON LUB PLUG VALVE	1,568.75
				GRAND TOTAL (UNIT COST)	15,580.96
SECTION 13				**TRANSITION & FLEXIBLE COUPLINGS**	
MISSION RUBBER			4 EA.	10 CLAY X 10 CI PVC COUPLING	10.93
			4 EA.	12 CLAY X 12 CI PVC COUPLING	12.76
			20 EA.	4 CLAY X 4 CI PVC COUPLING	2.40
			6 EA.	4 CLAY X 6 CI PVC COUPLING	5.68
			15 EA.	6 CLAY X 4 CI PVC COUPLING	5.56
			15 EA.	6 CLAY X 6 CI PVC COUPLING	5.11
			6 EA.	8 CLAY X 6 CI PVC COUPLING	8.80
			6 EA.	8 CLAY X 8 CI PVC COUPLING	6.09
			8 EA.	4 AC DI X 4 CI PVC COUPLING	2.40
			8 EA.	6 AC DI X 6 CI PVC COUPLING	5.11
			8 EA.	8 AC DI X 8 CI PVC COUPLING	7.86
			4 EA.	10 CI PVC X 10 CI PVC COUPLING	10.93
			4 EA.	12 CI PVC X 12 CI PVC COUPLING	12.76
			8 EA.	3 CI PVC X 3 CI PVC COUPLING	1.91
			6 EA.	4 CI PVC X 3 CI PVC COUPLING	2.58
			50 EA.	4 CI PVC X 4 CI PVC COUPLING	2.09
			6 EA.	6 CI PVC X 4 CI PVC COUPLING	5.56
			6 EA.	6 CI PVC X 6 CI PVC COUPLING	5.11
			8 EA.	8 CI PVC X 6 CI PVC COUPLING	7.86
			8 EA.	8 CI PVC X 8 CI PVC COUPLING	8.80
			8 EA.	6 CLAY X 6 CI PVC COUPLING	5.11
			6 EA.	8 CI PVC X 8 CI PVC COUPLING	7.86
				GRAND TOTAL (UNIT COST)	143.27
SECTION 14				****SEWER FITTINGS****	
MULTI FTGS			12 EA.	4 PVC SWR REC THRD CO PLUG	1.53
			12 EA.	6 PVC SWR REC THRD CO PLUG	3.94
			12 EA.	4 PVC SWR SPGT X DWV HUB ADAPTOR	2.67
			12 EA.	6 PVC SWR SPGT X DWV HUB ADAPTOR	6.09
			10 EA.	8 PVC SWR SPGT X DWV HUB ADAPTOR	16.74

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			8 EA.	4 PVC SWR HUB FEM CO ADAPTOR	1.09
			8 EA.	6 PVC SWR HUB FEM CO ADAPTOR	5.17
			10 EA.	8 PVC SWR HUB FEM CO ADAPTOR	17.20
			12 EA.	4 PVC SWR RH THRD CO PLUG	0.67
			12 EA.	6 PVC SWR RH THRD CO PLUG	3.34
			10 EA.	8 PVC SWR RH THRD CO PLUG	12.08
			10 EA.	10 PVC SWR PLUG	20.13
			10 EA.	12 PVC SWR PLUG	24.06
			10 EA.	15 PVC SWR PLUG	47.33
			12 EA.	4 PVC SWR PLUG	1.11
			12 EA.	6 PVC SWR PLUG	1.70
			12 EA.	8 PVC SWR PLUG	6.03
			10 EA.	10X4 PVC SWR SXG BUSHING	27.84
			10 EA.	10X6 PVC SWR SXG BUSHING	30.50
			10 EA.	10X8 PVC SWR SXG BUSHING	36.26
			10 EA.	12X10 PVC SWR SXG BUSHING	50.88
			10 EA.	12X6 PVC SWR SXG BUSHING	40.01
			10 EA.	12X8 PVC SWR SXG BUSHING	45.88
			10 EA.	6X4 PVC SWR SXG BUSHING	4.10
			10 EA.	6X4 PVC SWR SXG BUSHING	4.10
			10 EA.	8X4 PVC SWR SXG BUSHING	11.19
			10 EA.	8X6 PVC SWR SXG BUSHING	12.55
			4 EA.	4 PVC SWR TEMPORARY PLUG	0.97
			4 EA.	6 PVC SWR TEMPORARY PLUG	1.44
			10 EA.	8 PVC SWR TEMPORARY PLUG	2.98
			10 EA.	6 PVC HW SWR 22-1/2 ELBOW GXG	10.97
			15 EA.	4 PVC HW SWR GXG 45 BEND	3.35
			15 EA.	6 PVC HW SWR GXG 45 BEND	8.38
			15 EA.	8 PVC HW SWR GXG 45 BEND	19.98
			10 EA.	4 PVC HW SWR GXG 90 BEND	4.61
			10 EA.	6 PVC HW SWR GXG 90 BEND	8.42
			10 EA.	8 PVC HW SWR GXG 90 BEND	38.80
			25 EA.	6 PVC HW SWR GXG DBL WYE	16.13
			25 EA.	6X4 PVC HW SWR GXG DBL WYE	21.47
			8 EA.	6 PVC HW SWR GXG REP COUPLING	6.88
			8 EA.	8 PVC HW SWR GXG REP COUPLING	11.65
			25 EA.	4 PVC SWR HW 22-1/2 ELBOW SXG	5.57
			25 EA.	6 PVC HW SWR 22-1/2 ELBOW SXG	5.94
			25 EA.	4 PVC HW SWR GXS 45 BEND	3.18
			15 EA.	6 PVC HW SWR GXS 45 BEND	6.07
			10 EA.	8 PVC HW SWR GXS 45 BEND	19.98
			10 EA.	6 PVC SWR GXS 90 BEND HVY WALL	21.36
			10 EA.	8 PVC HW SWR GXGXG TEE	29.44
			10 EA.	6 PVC HW SWR GXGXG TEE WYE	19.05
			4 EA.	8 PVC HW SWR GXGXG TEE WYE	45.89
			10 EA.	8X4 PVC HW SWR GXGXG TEE WYE	18.18
			10 EA.	8X6 PVC HW SWR GXGXG TEE WYE	20.83
			10 EA.	10X6 PVC HW SWR GXGXG WYE	46.84
			10 EA.	12X6 PVC HW SWR GXGXG WYE	63.81
			25 EA.	4 PVC HW SWR 45 WYE GXGXG	5.63
			25 EA.	6 PVC HW SWR GXGXG WYE	14.40
			25 EA.	6X4 PVC HW SWR GXGXG WYE	12.70

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	8 PVC HW SWR GXGXG WYE	36.64
			10 EA.	8X4 PVC HW SWR GXGXG WYE	18.58
			12 EA.	8X6 PVC HW SWR GXGXG WYE	21.35
				GRAND TOTAL (UNIT COST)	1,005.66
SECTION 15				**EPOXY LINED FLANGE FITTINGS**	
UNION/TYLER			10 EA.	4 FLANGE EPOX LINED 45 BEND	70.74
			10 EA.	4 FLANGE EPOX LINED 90 BEND	79.77
			10 EA.	6 FLANGE EPOX LINED 90 BEND	113.05
			10 EA.	8 FLANGE EPOX LINED 90 BEND	178.74
			10 EA.	6X4 FLANGE EPOX LINED CONC RED	116.21
			10 EA.	4 FLANGE EPOX LINED TEE	135.00
			10 EA.	6 FLANGE EPOX LINED TEE	183.41
			10 EA.	6X4 FLANGE EPOX LINED TEE	182.53
			10 EA.	8 FLANGE POLYLINED TEE	284.21
			10 EA.	8X6 FLANGE POLYLINED TEE	285.47
				GRAND TOTAL (UNIT COST)	1,629.13
SECTION 16				** EPOXY LINED MECHANICAL JOINT FITTINGS**	
UNION/TYLER			6 EA.	6 MJ C153 EPOX LINED 11-1/4 L/A	76.42
			6 EA.	10 MJ C153 EPOX LINED 22-1/2 L/A	140.21
			6 EA.	4 MJ C153 EPOX LINED 22 L/A	49.26
			6 EA.	6 MJ C153 EPOX LINED 22-1/2 L/A	77.05
			6 EA.	8 MJ C153 EPOX LINED 22-1/2 L/A	102.32
			6 EA.	10 MJ C153 EPOX LINED 45 L/A	163.58
			6 EA.	12 MJ C153 EPOX LINED 45 L/A	214.74
			6 EA.	16 MJ C153 EPOX LINED 45 L/A	440.21
			6 EA.	3 MJ C153 EPOX LINED 45 L/A	39.16
			6 EA.	4 MJ C153 EPOX LINED 45 L/A	50.53
			6 EA.	6 MJ C153 EPOX LINED 45 L/A	83.37
			6 EA.	8 MJ C153 EPOX LINED 45 L/A	115.58
			6 EA.	10 MJ C153 EPOX LINED 90 L/A	207.16
			6 EA.	12 MJ C153 EPOX LINED 90 L/A	270.32
			6 EA.	4 MJ C153 EPOX LINED 90 L/A	56.84
			6 EA.	6 MJ C153 EPOX LINED 90 L/A	99.16
			6 EA.	8 MJ C153 EPOX LINED 90 L/A	132.63
			6 EA.	12 MJ C153 EPOX LONG SLV L/A	270.32
			6 EA.	4 MJ C153 EPOX LONG SLV L/A	55.58
			6 EA.	6 MJ C153 EPOX LONG SLV L/A	85.89
			6 EA.	6X4 MJ C153 EPOX LINED RED L/A	60.63
			6 EA.	8X6 MJ C153 EPOX LINED RED L/A	84.00
			6 EA.	4 MJ C153 EPOX LINED TEE L/A	80.84
			6 EA.	4X3 MJ C153 EPOX LINED TEE L/A	78.32
			6 EA.	6 MJ C153 EPOX LINED TEE	128.21
			6 EA.	8 MJ C153 EPOX LINED TEE L/A	176.21
			6 EA.	8X4 MJ C153 EPOX LINED TEE L/A	144.00
			6 EA.	4 MJ C153 EPOX LINED WYE L/A	139.58
			6 EA.	6 MJ C153 EPOX LINED WYE L/A	211.22

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			6 EA.	6X4 MJ C153 EPOX LINED WYE L/A	178.16
			6 EA.	8 MJ C153 EPOX LINED WYE L/A	286.53
			6 EA.	8X4 MJ C153 EPOX LINED WYE L/A	227.14
			6 EA.	8X6 MJ C153 EPOX LINED WYE L/A	249.80
				GRAND TOTAL (UNIT COST)	4,774.97
PIPE					
SECTION 17				****SCH 40 PIPE****	
J-M MFG.			10 EA.	1/2 X 20 FT PVC SCH40 PIPE	0.17
			10 EA.	3/4 X 20 FT PVC SCH40 PIPE	0.25
			10 EA.	1 X 20 FT PVC SCH40 PIPE	0.32
			10 EA.	1-1/4 X 20 FT PVC SCH40 PIPE	0.45
			10 EA.	1-1/2 X 20 FT PVC SCH40 PIPE	0.50
			10 EA.	2 X 20 FT PVC SCH40 PIPE	0.70
			10 EA.	2-1/2 X 20 FT PVC SCH40 PIPE	1.03
			10 EA.	3 X 20 FT PVC SCH40 PIPE	1.33
			10 EA.	4 X 20 FT PVC SCH40 PIPE	1.92
			10 EA.	6 X 20 FT PVC SCH40 PIPE	3.50
			10 EA.	8 X 20 FT PVC SCH40 PIPE	5.17
				GRAND TOTAL (UNIT COST)	15.34
SECTION 18				****SCH 80 PIPE****	
CHARLOTTE PIPE			10 EA.	1/2 X 20 FT PVC SCH80 PIPE	0.30
			10 EA.	3/4 X 20 FT PVC SCH80 PIPE	0.40
			10 EA.	1 X 20 FT PVC SCH80 PIPE	0.61
			10 EA.	1-1/4 X 20 FT PVC SCH80 PIPE	0.82
			10 EA.	1-1/2 X 20 FT PVC SCH80 PIPE	0.93
			10 EA.	2 X 20 FT PVC SCH80 PIPE	1.31
			10 EA.	2-1/2 X 20 FT PVC SCH80 PIPE	2.16
			10 EA.	3 X 20 FT PVC SCH80 PIPE	2.70
			10 EA.	4 X 20 FT PVC SCH80 PIPE	3.85
			10 EA.	6 X 20 FT PVC SCH80 PIPE	7.57
			10 EA.	8 X 20 FT PVC SCH80 PIPE	23.98
				GRAND TOTAL (UNIT COST)	44.63
SECTION 19				****PVC PIPE****	
J-M MFG.			8 EA.	10 C900 DR14 CL200 PVC GJ PIPE	13.00
			8 EA.	12 C900 DR14 CL200 PVC GJ PIPE	18.50
			8 EA.	4 C900 DR14 CL200 PVC GJ PIPE	2.60
			8 EA.	6 C900 DR14 CL200 PVC GJ PIPE	5.00
			8 EA.	8 C900 DR14 CL200 PVC GJ PIPE	8.60
			8 EA.	10 C900 DR18 CL150 PVC GREEN PIPE	10.75
			8 EA.	12 C900 DR18 CL150 PVC GREEN PIPE	15.00
			8 EA.	20 C900 DR18 CL150 PVC GREEN PIPE	41.00
			8 EA.	24 C900 DR18 CL150 PVC GREEN PIPE	67.25
			8 EA.	30 C900 DR18 CL150 PVC GREEN PIPE	72.25
			8 EA.	16 C905 DR18 CL235 PVC GREEN PIPE	19.90
			8 EA.	4 C900 DR18 CL150 PVC GREEN PIPE	2.20
			8 EA.	6 C900 DR18 CL150 PVC GREEN PIPE	4.30
			8 EA.	8 C900 DR18 CL150 PVC GREEN PIPE	7.30
			10 EA.	10 C900 DR18 CL150 PVC GJ PIPE	10.40
			10 EA.	12 C900 DR18 CL150 PVC GJ PIPE	14.60

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	14 C905 DR18 CL235 PVC GJ PIPE	18.95
			10 EA.	16 C905 DR18 CL235 PVC GJ PIPE	17.00
			10 EA.	18 C905 DR18 CL235 PVC GJ PIPE	22.25
			10 EA.	20 C905 DR18 CL235 PVC GJ PIPE	38.25
			10 EA.	4 C900 DR18 CL150 PVC GJ PIPE	2.05
			10 EA.	10 C900 DR18 CL150 PVC PURP PIPE	10.40
			10 EA.	12 C900 DR18 CL150 PVC PURP PIPE	15.78
			10 EA.	16 C905 DR18 CL235 PVC PURP PIPE	19.90
			10 EA.	20 C905 DR18 CL235 PVC PURP PIPE	38.25
			10 EA.	4 C900 DR18 CL150 PVC PURP PIPE	2.30
			10 EA.	6 C900 DR18 CL150 PVC PURP PIPE	4.30
			10 EA.	8 C900 DR18 CL150 PVC PURP PIPE	7.20
			10 EA.	6 C900 DR18 CL150 PVC GJ PIPE	4.05
			10 EA.	8 C900 DR18 CL150 PVC GJ PIPE	6.80
				GRAND TOTAL (UNIT COST)	520.13
SECTION 20				****HDPE PIPE AND FITTINGS****	
				PIPES	
			10 EA.	2" DIAMETER IPS SDR11	0.65
			10 EA.	3" DIAMETER IPS SDR11	1.40
			10 EA.	4" DIAMETER DIPS SDR11	2.38
			10 EA.	6" DIAMETER DIPS SDR11	5.12
			10 EA.	8" DIAMETER DIPS SDR11	8.80
			10 EA.	10" DIAMETER DIPS SDR11	13.25
			10 EA.	12" DIAMETER DIPS SDR11	18.73
				FITTINGS	
CENTRAL PLASTICS			10 EA.	2" DIAMETER IPS BACKUP RING IPS	5.51
			10 EA.	3" DIAMETER IPS BACKUP RING IPS	6.82
			10 EA.	4" DIAMETER IPS BACKUP RING DIPS	10.52
			10 EA.	6" DIAMETER IPS BACKUP RING DIPS	13.08
			10 EA.	8" DIAMETER IPS BACKUP RING DIPS	17.40
			10 EA.	10" DIAMETER IPS BACKUP RING DIPS	29.41
			10 EA.	12" DIAMETER IPS BACKUP RING DIPS	44.36
			10 EA.	2" IPS COUPLING IPS	11.80
			10 EA.	3" IPS COUPLING IPS	16.41
			10 EA.	4" DIPS COUPLING DIPS	36.34
			10 EA.	6" DIPS COUPLING DIPS	133.23
			10 EA.	10" DIPS COUPLING DIPS	266.25
			10 EA.	12" DIPS COUPLING DIPS	420.00
			10 EA.	4" DIPS BUTT 90 DEGREE ELBOW	18.58
			10 EA.	6" DIPS BUTT 90 DEGREE ELBOW	39.88
			10 EA.	8" DIPS BUTT 90 DEGREE ELBOW	92.96
			10 EA.	10" DIPS BUTT 90 DEGREE ELBOW	403.11
			10 EA.	12" DIPS BUTT 90 DEGREE ELBOW	475.88
			10 EA.	4" DIPS BUTT 45 DEGREE ELBOW	18.58
			10 EA.	6" DIPS BUTT 45 DEGREE ELBOW	39.88
			10 EA.	8" DIPS BUTT 45 DEGREE ELBOW	92.96
			10 EA.	10" DIPS BUTT 45 DEGREE ELBOW	403.11
			10 EA.	12" DIPS BUTT 45 DEGREE ELBOW	475.88
			10 EA.	4" DIPS BUTT TEES	82.86
			10 EA.	6" DIPS BUTT TEES	100.16

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	8" DIPS BUTT TEES	203.92
			10 EA.	10" DIPS BUTT TEES	512.69
			10 EA.	12" DIPS BUTT TEES	695.18
			10 EA.	2" IPS FLANGE ADAPTER	18.60
			10 EA.	3" IPS FLANGE ADAPTER	21.51
			10 EA.	4" DIPS FLANGE ADAPTER	25.73
			10 EA.	6" DIPS FLANGE ADAPTER	35.53
			10 EA.	8" DIPS FLANGE ADAPTER	53.90
			10 EA.	10" DIPS FLANGE ADAPTER	71.05
			10 EA.	12" DIPS FLANGE ADAPTER	100.45
			10 EA.	3" DIPS MJ ADAPTER	146.25
			10 EA.	4" DIPS MJ ADAPTER	146.25
			10 EA.	6" DIPS MJ ADAPTER	164.06
			10 EA.	8" DIPS MJ ADAPTER	173.44
			10 EA.	10" DIPS MJ ADAPTER	210.94
			10 EA.	12" DIPS MJ ADAPTER	257.81
				GRAND TOTAL (UNIT COST)	6,142.61
SECTION 21				**** GRAVITY SEWER PIPE****	
J-M MFG.			26 EA.	10X13 SDR26 HW PVC GJ SWR PIPE	6.70 /
			26 EA.	12X13 SDR26 HW PVC GJ SWR PIPE	9.55 /
			26 EA.	15X13 SDR26 HW PVC GJ SWR PIPE	14.50 /
			26 EA.	18X13 SDR26 HW PVC GJ SWR PIPE	18.65 /
			26 EA.	4X13 SDR26 HW PVC GJ SWR PIPE	1.11 /
			26 EA.	6X13 SDR26 HW PVC GJ SWR PIPE	2.36 /
			26 EA.	8X13 SDR26 HW PVC GJ SWR PIPE	3.95 /
			26 EA.	20X13 SDR26 HW PVC GJ SWR PIPE	19.65 /
			26 EA.	24X13 SDR26 HW PVC GJ SWR PIPE	NO BID
			26 EA.	36X13 SDR26 HW PVC GJ SWR PIPE	NO BID
				GRAND TOTAL (UNIT COST)	76.47
SECTION 22				****DUCTILE IRON PIPE****	
ACIPCO			10 EA.	14 CL250 DUCTILE IRON PIPE	16.21 /
			10 EA.	16 CL250 DUCTILE IRON PIPE	20.46 /
			10 EA.	20 CL250 DUCTILE IRON PIPE	26.66 /
			10 EA.	24 CL250 DUCTILE IRON PIPE	36.36 /
			10 EA.	30 CL350 DUCTILE IRON PIPE	61.82 /
			20 EA.	10 CL350 DUCTILE IRON PIPE	10.51 /
			20 EA.	12 CL350 DUCTILE IRON PIPE	13.49 /
				GRAND TOTAL (UNIT COST)	185.51

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
MISCELLANEOUS					
SECTION 23					
SEWER SHIELD			100 EA.	S.S. MANHOLE INFLOW PROTECTORS	86.49
U.S. FOUNDRY			8 EA.	MANHOLE COVER WITH RING	187.00
UNITED BRASS			10 EA.	4 MIP X FIP ULFM CHK VALVE	87.06
			10 EA.	4X2-1/2X2-1/2 ANG SIAMES E CONN	57.00
			10 EA.	6X2-1/2X2-1/2 ANG SIAMES E CONN	235.94
			10 EA.	4X2-1/2X2-1/2 STR SIAMES E CONN	57.00
DOUBLE D FASTENERS			10 EA.	10 SS FLANGE ACC PKG	41.36
			10 EA.	12 SS FLANGE ACC PKG	42.25
			10 EA.	14 SS FLANGE ACC PKG	63.73
			10 EA.	16 SS FLANGE ACC PKG	84.55
			10 EA.	20 SS FLANGE ACC PKG	209.49
			10 EA.	2 SS FLANGE ACC PKG	4.69
			10 EA.	4 SS FLANGE ACC PKG	10.08
			10 EA.	6 SS FLANGE ACC PKG	16.24
			10 EA.	8 SS FLANGE ACC PKG	16.89
SEACORD CORP			10 EA.	1 GAL REG LUB	6.88
			10 EA.	1 QT REG LUB	2.00
PROFLO			10 EA.	4 STR WING NUT TEST PLUG	4.19
			10 EA.	6 STR WING NUT TEST PLUG	6.27
			10 EA.	8 STR WING NUT TEST PLUG	14.07
			10 EA.	4 BRASS RH PLUG	3.78
			10 EA.	6 BRASS RH PLUG	9.48
OATEY			10 EA.	1 GAL ALL PURPOSE CLR CLNR	7.01
			10 EA.	16 OZ ALL PURPOSE CLR CLNR	1.43
			10 EA.	16 OZ PURP PRMR / CLNR	1.57
			10 EA.	32 OZ ALL PURPOSE CLR CLNR	2.17
			10 EA.	32 OZ PURP PRMR / CLNR	2.84
			10 EA.	8 OZ PVC BLUE RAIN R SHINE CEMENT	1.81
			10 EA.	16 OZ PVC BLUE RAIN R SHINE CEMENT	2.50
			10 EA.	32 OZ PVC BLUE RAIN R SHINE CEMENT	4.31
			10 EA.	1 GAL PVC REG CLR CEMENT	9.28
			10 EA.	16 OZ PVC MED CLR CEMENT	1.83
			10 EA.	32 OZ PVC MED CLR CEMENT	3.25
			10 EA.	32 OZ CPVC HD GRAY CEMENT	5.50
			10 EA.	16 OZ PVC HD GRAY CEMENT	2.75
			10 EA.	32 OZ PVC HD GRAY CEMENT	4.48
			10 EA.	1 GAL DARK CUTTING OIL SPD THRD	7.64
			10 EA.	16 OZ PIPE DOPE W/ TEF & BRASS	7.78
KRYLON			10 EA.	TRAFFIC STRIPING PAINT YELLOW	3.68
			10 EA.	TRAFFIC STRIPING PAINT RED	3.68
			10 EA.	TRAFFIC STRIPING PAINT BLUE	3.68
			10 EA.	TRAFFIC STRIPING PAINT GREEN	3.68
CUSTOM FAB			10 EA.	3 FT CURB ST KEY	26.82
			10 EA.	4 FT CURB ST KEY	29.65
			10 EA.	5 FT CURB ST KEY	46.00
			10 EA.	5 FT H/WHL VALVE KEY	32.47

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
TRUMBELL IND			10 EA.	M/HOLE CVR HOOK	16.18
			10 EA.	36 M/HOLE CVR HOOK	19.94
CUSTOM FAB			10 EA.	5 FT PRY BAR	20.73
KNAPPS POLY PIG			10 EA.	10 FOAM POLY PIG	287.00
			10 EA.	12 FOAM POLY PIG	339.00
			10 EA.	14 FOAM POLY PIG	405.00
			10 EA.	6 FOAM POLY PIG	137.00
AMES TRUE TEMPER			10 EA.	4 FT PROBE ROD	16.93
CUSTOM FAB			10 EA.	5 FT T- HDL VALVE KEY	21.76
RIDGID			10 EA.	810 10 ALUM STR PIPE WRCH	23.84
			10 EA.	814 14 ALUM STR PIPE WRCH	32.26
			10 EA.	818 18 ALUM STR PIPE WRCH	4.28
			10 EA.	824 24 ALUM STR PIPE WRCH	63.97
			10 EA.	836 36 ALUM STR PIPE WRCH	110.11
			10 EA.	812 12 ALUM STR PIPE WRCH	28.34
PROLINE			4 EA.	4X1000 DETECT TAPE - FORCE MAIN	30.59
			4 EA.	3X1000 DETECT TAPE - IRRIGATION	18.53
			4 EA.	3X1000 DETECT TAPE - RECLAIM WATER	18.53
			4 EA.	2X1000 DETECT TAPE - SWR	12.06
			4 EA.	4X1000 DETECT TAPE - SWR	30.59
			4 EA.	6X1000 DETECT TAPE - SWR	35.29
WINTERS			10 EA.	2-1/2 PRES GA 0 - 300 LIQ	10.00
			5 CS.	VANLAISM REMOVER	NO BID
			2 CS.	BELT, DRESSING	NO BID
			10 PAILS	CHLORINE TABLETS 3"	NO BID
			5 CS.	CONTACT CLEANER (CRC IND.)	NO BID
			10 CS.	WD-40 SPRAY #42110	NO BID
			1 CS.	GREASE, MULTI-PURPOSE	NO BID
			1 CS.	GREASE, IMPACT	NO BID
			1 CS.	GREASE, SPRAY CAN	NO BID
			2 CS.	GROUT, MULTI-PURPOSE TUBES	NO BID
			2 CS.	GROUT CATALYST CHEM T, TRIETHANOLAM	NO BID
			5 GAL.	SANAFOAM VAPOROOTER II	NO BID
			1 CS.	20 OZ MOISTURE DISPLACEN	NO BID
			1 CS.	METAL PREP.	NO BID
			10 ROLLS	PLUMBERS TAPE	NO BID
WHEELER REX			10 EA.	PVC CUTTER RATCHET STYLE	91.45
			20 EA.	PVC CUTTER BLADE	37.00
			5 BOX	DUST MASK #1863	NO BID
			10 EA.	GREASE GUN	NO BID
			5 CS.	OIL MOX 5D:1 STIHL 8-6PACKS/CASE (6 PACKS IS 1 ITEM	NO BID
			10 CS.	SAE 30 MOTOR OIL	NO BID
			1 CS.	A/W HYDRAULIC OIL, ANTI-WEAR #68	NO BID
			1 CS.	TRANSMISSION FLUID VLV-353	NO BID
			5 CS.	DIESEL FUEL CONDITION	NO BID
			1 CS.	BRAKE FLUID	NO BID
			1 CS.	LE 8440 MONOLEC P40	NO BID
			1 CS.	8430 MONELEC P40	NO BID
			1 CS.	LE 8430 MONOLEC GFS ENGINE OIL SAE 30	NO BID

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			1 CS.	LE 2100 MONOLEC WIRE ROPE LUBRICANT (SPRAY)	NO BID
			1 CS.	LE 2059 MONOLEC PENETRATING OIL	NO BID
			1 CS.	LE 6405 MONOLEC TRUBINE OIL SAE 40	NO BID
			1 CS.	LE 6203 MONOLEC AIR COMPRESSOR OIL SAE 30	NO BID
			1 CS.	LE 6120 MONOLEC HYDRAULIC OIL SAE 20	NO BID
			1 CS.	LE 6520 MONOLEC HYDRAULIC OIL SAE 5-20	NO BID
			1 CS.	LE 1275 ALMAPLEX GREASE - 50/CASE	NO BID
			5 EA.	LE 4025 QUINPLEX FOOD MACHINERY GREASE	NO BID
			5 EA.	LE 3752 ALMAGARD GREASE	NO BID
			5 EA.	LE 5182 PYROSHIELD LUBRICANT (CAULKING TUBE)	NO BID
			1 CS.	300 MONOLEC IL	NO BID
			1 CS.	LE 609 ALMASOL GEAR LUBRICANT SAE 250 (24 QT. CAN)	NO BID
			1 CS.	LE 608 ALMASOL GEAR LUBRICANT SAE 140	NO BID
			1 CS.	LE 607 ALMASOL GEAR LUBRICANT SAE 90-6LBS./18GAL/72	NO BID
			1 CS.	LE 604 ALMASOL GEAR LUBRICANT SAE 90	NO BID
			1 CS.	LE 9901 ALMASOL SYNTHETIC GREASE	NO BID
3M CORP			20 EA.	MINI SEWER MARKERS A-1258	9.38
CUSTOM FAB			5 EA.	SQ. VALVE OPERATING WRENCH 5' LONG - 2" X 2" SQ NUT	21.76
			10 EA.	BLADE HACKSAW (HIGH SPEED) 12" X 24 TEETH	NO BID
			10 EA.	BLADE FOR STONE 14" X 1/8" X 20 MM.	NO BID
			10 EA.	BLADE FOR D.I. 14" X 1/8" X 20 MM.	NO BID
			10 EA.	BLADE D.I. 12" X 1/8" X 20 MM.	NO BID
			10 EA.	BLADE FOR STONE 12" X 1/8" X 20 MM.	NO BID
			10 EA.	SANDER/GRINDER DISC 4-1/2"	NO BID
CUSTOM FAB			5 EA.	61" PRY BAR	20.73
AMES TRUE TEMPER			10 EA.	4" TRENCHING SHOVEL LONG HANDLE	16.65
			5 EA.	DRAIN SPADE, SHARPSHOOTER UDS-14	NO BID
AMES TRUE TEMPER			10 EA.	POST HOLE DIGGER (4")	33.60
			30 EA.	TIE DOWN STRAP WITH HOOKS 15" LONG	NO BID
			30 EA.	TIE DOWN STRAP WITH HOOKS 22" LONG	NO BID

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			30 EA.	TIE DOWN STRAP WITH HOOKS 32" LONG	NO BID
PROFLO			100 ROLL	TEFLON TAPE	0.38
OATEY			3 CS.	PVC PIPE CLEANER -QT.	2.17
			3 BOX	RECTORSEAL PT.	NO BID
			8 BOX	NEVER-SEEZ 12 PT	NO BID
SEACORD CORP			10 EA.	PIPE LUBE QT.	2.00
PROLINE			10 EA.	BLUE MAGNETIC TAPE 3" X 1000' ROLL	18.53
FLORIDA LVL			100 EA.	BRASS ID TAG	9.99
			100 ROLL	RED MARKING RIBBON	NO BID
HARRIS IND			25 ROLL	FLAG TAPE ORANGE	0.85
KRYLON			5 CS.	YELLOW MARKING PAINT	2.50
			50 CS.	PURPLE MARKING PAINT (PERMANENT)	2.50
			50 CS.	BLUE MARKING PAINT (TEMP. LOCATING)	2.50
			30 CS.	GREEN MARKING PAINT	2.50
			5 CS.	RED MARKING PAINT	2.50
PROLINE			50 BX.	SURVEY MARKER FLAG - WATER - BLUE	80.00
			25 BX.	SURVEY MARKER FLAG - SEWER - GREEN	80.00
			10 BX.	SURVEY MARKER FLAG "RED" 100/BUNDLE - 1,000/BOX	80.00
RADIODETECTION			100 EA.	LOCATE BALLS "BLUE"	8.95
			100 EA.	LOCATE BALLS "GREEN"	8.95
			100 EA.	LOCATE BALLS "PURPLE"	8.95
CHERNE			6 EA.	8 TEST BALL	80.77
			6 EA.	10 TEST BALL	130.60
			6 EA.	12 TEST BALL	166.08
			6 EA.	8 MUNI BALL PLUG	103.42
			6 EA.	4 TEST BALL	17.29
			6 EA.	6 TEST BALL	43.19
			10 EA.	HAND TEST PUMP W/ DLX GA	25.08
			10 EA.	10 FT EXT HOSE ASSY	10.42
			10 EA.	20 FT EXT HOSE ASSY	20.15
				GRAND TOTAL (UNIT COST)	4,285.02
SECTION 24				****MJ ACCESORY SETS****	
UNION/TYLER			5 EA.	10 MJ ACC SET	12.33
			5 EA.	12 MJ ACC SET	13.60
			5 EA.	14 MJ ACC SET	34.88
			5 EA.	16 MJ ACC SET	38.25
			5 EA.	18 MJ ACC SET	52.88
			5 EA.	20 MJ ACC SET	63.00
			5 EA.	24 MJ ACC SET	75.94
			5 EA.	30 MJ ACC SET	167.06
			10 EA.	3 MJ ACC SET	5.76
			8 EA.	4 MJ ACC SET	5.95
				GRAND TOTAL (UNIT COST)	469.65

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
SECTION 25				****MJ GLANDS****	
			20 EA.	10 MJ GLAND	8.73
			20 EA.	12 MJ GLAND	10.35
			20 EA.	14 MJ GLAND	27.45
			20 EA.	16 MJ GLAND	31.22
			20 EA.	18 MJ GLAND	72.45
			20 EA.	20 MJ GLAND	74.93
			20 EA.	24 MJ GLAND	78.30
			20 EA.	30 MJ GLAND	95.00
				GRAND TOTAL (UNIT COST)	398.43
SECTION 26				****MJ GASKETS****	
UNION/TYLER			12 EA.	10 MJ GASKET	1.78
			12 EA.	12 MJ GASKET	1.91
			12 EA.	14 MJ GASKET	2.76
			12 EA.	16 MJ GASKET	3.05
			12 EA.	18 MJ GASKET	3.41
			12 EA.	20 MJ GASKET	4.05
			12 EA.	24 MJ GASKET	4.70
			12 EA.	30 MJ GASKET	16.40
			12 EA.	36 MJ GASKET	20.54
			12 EA.	2 MJ GASKET	1.14
			12 EA.	3 MJ GASKET	0.73
			12 EA.	4 MJ GASKET	0.76
			12 EA.	6 MJ GASKET	0.89
			12 EA.	8 MJ GASKET	1.18
			12 EA.	3 MJ GLAND	4.10
			12 EA.	4 MJ GLAND	4.00
			12 EA.	6 MJ GLAND	4.62
			12 EA.	8 MJ GLAND	6.30
			10 EA.	3 MJ TRAN GASKET	1.13
			10 EA.	4 MJ TRAN GASKET	1.19
			10 EA.	6 MJ TRAN GASKET	1.28
			10 EA.	8 MJ TRAN GASKET	1.78
			10 EA.	5/8X3 MJ T-HEAD BOLT & NUT	0.49
			10 EA.	3/4X3-1/2 MJ T-HEAD BOLT & NUT	0.56
			10 EA.	3/4X4 MJ T-HEAD BOLT & NUT	0.58
			10 EA.	3/4X4-1/2 MJ T-HEAD BOLT & NUT	0.66
			10 EA.	3/4X5 MJ T-HEAD BOLT & NUT	0.70
			10 EA.	1X6 MJ T-HEAD BOLT & NUT	2.60
				GRAND TOTAL (UNIT COST)	93.29
SECTION 27				****JOINT RESTRAINTS****	
FORD METER BOX			10 EA.	10 JT RESTRAINT C900/DI PIPE	77.01
			10 EA.	12 JT RESTRAINT C900/DI PIPE	84.25
			10 EA.	16 JT RESTRAINT C905/DI PIPE	199.06
			10 EA.	4 JT RESTRAINT C900/DI PIPE	20.56
			10 EA.	6 JT RESTRAINT C900/DI PIPE	27.25
			10 EA.	8 JT RESTRAINT C900/DI PIPE	44.18
			10 EA.	3 JT RESTRAINT IPS PVC PIPE	21.75
			10 EA.	4 JT RESTRAINT IPS PVC PIPE	20.56

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	6 JT RESTRAINT IPS PVC PIPE	27.25
			10 EA.	8 JT RESTRAINT IPS PVC PIPE	44.18
			10 EA.	18JT RESTRAINT C905/DI PIPE	204.82
			10 EA.	20JT RESTRAINT C905/DI PIPE	322.03
			10 EA.	24JT RESTRAINT C905/DI PIPE	374.12
			10 EA.	30JT RESTRAINT DI PIPE	755.05
			10 EA.	36JT RESTRAINT DI PIPE	906.06
EBAA			10 EA.	3" PVC MEGALUGS ONLY	14.10
			10 EA.	3" DIP MEGALUGS ONLY	11.63
			10 EA.	4" PVC MEGALUGS ONLY	15.20
			10 EA.	4" DIP MEGALUGS ONLY	12.39
			10 EA.	6" PVC MEGALUGS ONLY	18.43
			10 EA.	6" DIP MEGALUGS ONLY	14.44
			10 EA.	8" PVC MEGALUGS ONLY	27.25
			10 EA.	8" DIP MEGALUGS ONLY	22.23
			10 EA.	10" PVC MEGALUGS ONLY	51.53
			10 EA.	10" DIP MEGALUGS ONLY	32.91
			10 EA.	12" PVC MEGALUGS ONLY	54.15
			10 EA.	12" DIP MEGALUGS ONLY	47.86
			10 EA.	14" PVC MEGALUGS ONLY	86.26
			10 EA.	14" DIP MEGALUGS ONLY	61.03
			10 EA.	16" PVC MEGALUGS ONLY	115.90
			10 EA.	16" DIP MEGALUGS ONLY	87.29
				GRAND TOTAL (UNIT COST)	3,800.73

ATTACHMENT A
LOCAL VENDOR PREFERENCE QUESTIONNAIRE
(LEE COUNTY ORDINANCE NO. 00-10)

Instructions: Please complete either Part A or B whichever is applicable to your firm

PART A: VENDOR'S PRINCIPAL PLACE OF BUSINESS IS LOCATED WITHIN LEE COUNTY (Only complete Part A if your principal place of business is located within the boundaries of Lee County)

1. What is the physical location of your principal place of business that is located within the boundaries of Lee County, Florida?

17323 Jean Street.
Ft Myers FL 33912

2. What is the size of this facility (i.e. sales area size, warehouse, storage yard, etc.)

4000 SQ. FT. Warehouse
1/4 Acre Yard

PART B: VENDOR'S PRINCIPAL PLACE OF BUSINESS IS NOT LOCATED WITHIN LEE COUNTY OR DOES NOT HAVE A PHYSICAL LOCATION WITHIN LEE COUNTY (Please complete this section.)

1. How many employees are available to service this contract? 22

2. Describe the types and amount of equipment you have available to service this contract.

3 Flat Bed Trucks
1 Semi Truck

3. Describe the types and amount of material stock that you have available to service this contract.

\$1.6 million in Stock
Water & Sewer & Drainage material

4. Have you provided goods or services to Lee County on a regular basis for the preceding, consecutive five years?

Yes No

If yes, please provide your contractual history with Lee County for the past five, consecutive years. Attach additional pages necessary.

Provided a substantial amount of material
to Lee Co since utilities have taken back
over & prior to that provide material
to the 'private' company doing work.

PRODUCER
Marsh USA Inc.
901 E. Byrd Street
Richmond, VA 23219

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER OTHER THAN THOSE PROVIDED IN THE POLICY. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES DESCRIBED HEREIN.

COMPANIES AFFORDING COVERAGE

INSURED
Ferguson Enterprises, Inc.
dba Ferguson Waterworks #127
17323 Jean Street
Fort Myers, FL 33912

- COMPANY
A Pacific Employers Insurance Company
- COMPANY
B
- COMPANY
C
- COMPANY
D

COVERAGES This certificate supersedes and replaces any previously issued certificate for the policy period noted below. 3

THIS IS TO CERTIFY THAT POLICIES OF INSURANCE DESCRIBED HEREIN HAVE BEEN ISSUED TO THE INSURED NAMED HEREIN FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THE CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, CONDITIONS AND EXCLUSIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
A	GENERAL LIABILITY	HDO G2058595-A	08/01/02	08/01/03	GENERAL AGGREGATE \$ 4,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY				PRODUCTS - COM/OP AGG \$ 2,000,000
	<input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR				PERSONAL & ADV INJURY \$ 2,000,000
	<input type="checkbox"/> OWNER'S & CONTRACTOR'S PROT				EACH OCCURRENCE \$ 2,000,000
	<input checked="" type="checkbox"/> Vendors Liability				FIRE DAMAGE (Any one fire) \$ 1,000,000
					MED EXP (Any one person) \$ 5,000
	AUTOMOBILE LIABILITY				COMBINED SINGLE LIMIT \$
	<input type="checkbox"/> ANY AUTO				BODILY INJURY (Per person) \$
	<input type="checkbox"/> ALL OWNED AUTOS				BODILY INJURY (Per accident) \$
	<input type="checkbox"/> SCHEDULED AUTOS				PROPERTY DAMAGE \$
	<input type="checkbox"/> HIRED AUTOS				
	<input type="checkbox"/> NON-OWNED AUTOS				
	GARAGE LIABILITY				AUTO ONLY - EA ACCIDENT \$
	<input type="checkbox"/> ANY AUTO				OTHER THAN AUTO ONLY \$
					EACH ACCIDENT \$
					AGGREGATE \$
	EXCESS LIABILITY				EACH OCCURRENCE \$
	<input type="checkbox"/> UMBRELLA FORM				AGGREGATE \$
	<input type="checkbox"/> OTHER THAN UMBRELLA FORM				\$
	WORKERS' COMPENSATION AND EMPLOYERS' LIABILITY				WC STATUTORY LIMITS OTH-ER \$
	THE PROPRIETOR/PARTNER/EXECUTIVE OFFICERS ARE <input type="checkbox"/> INCL <input type="checkbox"/> EXCL				EL EACH ACCIDENT \$
					EL DISEASE-POLICY LIMIT \$
					EL DISEASE-EACH EMPLOYEE \$
	OTHER				

DESCRIPTION OF OPERATION(S)/LOCATION(S)/VEHICLE(S)/SPECIAL ITEMS (LIMITS MAY BE SUBJECT TO DEDUCTIBLES OR RETENTIONS)

Certificate Holder is an Additional Insured as their interest may appear.

CERTIFICATE HOLDER

CANCELLATION

Lee County Board of County Commissioners
c/o Lee County Court Purchasing
Attn: Cheri Alexander
P.O. Box 398
Fort Myers, FL 33902

SHOULD ANY OF THE POLICIES DESCRIBED HEREIN BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE INSURER AFFORDING COVERAGE WILL ENDEAVOR TO MAIL 60 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED HEREIN, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER AFFORDING COVERAGE, ITS AGENTS OR REPRESENTATIVES.

MARSH USA INC.
BY: Polly P Fisher

Polly P. Fisher

HM(1/9/99)

VALID AS OF: 08/13/02

LEE COUNTY PURCHASING SERVICES - BIDDERS CHECK LIST

IMPORTANT: Please read carefully and return with your bid proposal.
Please check off each of the following items as the necessary action is completed:

- 1. The Quote has been signed.
- 2. The Quote prices offered have been reviewed.
- 3. The price extensions and totals have been checked.
- 4. The original (must be manually signed) and 2 copies of the quote have been submitted.
- 5. Three (3) identical sets of descriptive literature, brochures and/or data (if required) have been submitted under separate cover.
- 6. All modifications have been acknowledged in the space provided.
- 7. All addendums issued, if any, have been acknowledged in the space provided.
- 8. Erasures or other changes made to the quote document have been initialed by the person signing the quote.
- 9. Bid Bond and/or certified Check, (if required) have been submitted with the quote in amounts indicated.
- 10. Any Delivery information required is included.
- 11. The mailing envelope has been addressed to:

Lee County Purchasing Services	or	Lee County Purchasing
P.O. Box 398		3434 Hancock Bridge Pkwy 3 rd FL
Ft. Myers, FL 33902-0398		N. Ft. Myers, FL 33903
- 12. The mailing envelope **MUST** be sealed and marked with:
Quote Number
Opening Date and/or Receiving Date
- 13. The quote will be mailed or delivered in time to be received no later than the specified opening date and time.
(Otherwise quote cannot be considered or accepted.)
- 14. If submitting a "NO BID" please write quote number here _____
and check one of the following:
 Do not offer this product Insufficient time to respond.
 Unable to meet specifications (why)
 Unable to meet bond or insurance requirement.
 Other: _____

Company Name and Address:
Sequon Waterworks
17323 Jean St
Ft Myers Fl 33912

LEE COUNTY, FLORIDA
PROPOSAL QUOTE FORM
FOR
WATER, SEWER & IRRIGATION MATERIALS
ANNUAL FOR UTILITIES

COPY

DATE SUBMITTED: 8/12/02
 VENDOR NAME: CORCEL CORP.
 TO: The Board of County Commissioners
 Lee County
 Fort Myers, Florida

Having carefully examined the "General Conditions", and the "Detailed Specifications", all of which are contained herein, the undersigned proposes to furnish the following, which meet these specifications:

The undersigned acknowledges receipt of Addenda numbers: 1

See Attachment B to record unit prices, Note: Please record the section totals on this Price Proposal Page.

SECTION NO.	LEE CO. COMMODITY CODE	DESCRIPTION	GRAND TOTAL
	89000	<u>WATER</u>	
1.		GALVANIZED FITTINGS	\$ _____
2.		BRASS FITTINGS	\$ _____
3.		COPPER TUBING	\$ _____
4.		POLY TUBING	\$ _____
5.		FITTINGS	\$ _____
6.		MECHANICAL FITTINGS	\$ _____
7.		FLANGE FITTINGS	\$ _____
8.		GATE VALVES	\$ <u>6,493.30</u>
9.		METER BOXES	\$ _____
10.		HYDRANTS AND ASSEMBLIES	\$ <u>5,733.30</u>
11.		METER ASSEMBLY PARTS	\$ _____

CORCEL CORP.

SECTION NO.	LEE CO. COMMODITY CODE	DESCRIPTION	GRAND TOTAL
	89000	<u>SEWER</u>	
12.		PLUG VALVES	\$ _____
13.		TRANSITION COUPLINGS	\$ _____
14.		SEWER FITTINGS	\$ <u>1,310.20</u>
15.		EPOXY LINED FLANGE FITTINGS	\$ _____
16.		EPOXY LINED M J FITTINGS	\$ _____
	89000	<u>PIPE</u>	
17.		SCHEDULE 40 BE PIPE	\$ _____
18.		SCHEDULE 80 BE PIPE	\$ _____
9.		POLYVINYL CHLORIDE PIPE	\$ _____
0.		HDPE SEWER PIPE & FITTINGS	\$ _____
1.		GRAVITY SEWER PIPE	\$ _____
2.		DUCTILE IRON PIPE	\$ _____
3.		MISCELLANEOUS	\$ _____
4.		MJ ACC SETS	\$ _____
5.		MJ GLANDS	\$ _____
6.		MJ GASKETS	\$ _____
		JOINT RESTRAINTS	\$ _____

DELIVERY: STOCK: _____ WORKING DAYS NON-STOCK: _____ WORKING DAYS

If your firm offer miscellaneous store items, not listed herein at a percentage off? YES _____ NO _____

to the discount from list price for items not listed herein that Lee County BOCC may purchase, as needed: * %

you answered yes, submit your firm's price list with the annotated discounts in triplicate with your bid response.

you carry the most common parts and related items in stock? YES _____ NO _____

NOTE: SUBMITTALS REQUIRED; SEE PAGE 13

your firm interested in being considered for the Local Vendor Preference? Yes _____ No _____

Section 8 - .47 Multiplier
 Section 10 - .51 Multiplier for Hydrants
 Section 14 - .50 Multiplier on 11
 Current Vassallo Price List. **CORCEL-CORP.**

69 for Extensions

If yes, then read the paragraph entitled "Local Vendor Preference" included in these specifications. Also complete the Local Vendor Preference Questionnaire and return with your quotation.

Quoters should carefully read all the terms and conditions of the specifications. Any representation of deviation or modification to the quote may be grounds to reject the quote.

Are there any modifications to the quote or specifications: Yes _____ No ✓

Failure to clearly identify any modifications in the space below or on a separate page may be grounds for the quoter being declared nonresponsive or to have the award of the quote rescinded by the County.

MODIFICATIONS:

Quoter shall submit his/her quote on the County's Proposal Quote Form, including the firm name and authorized signature. Any blank spaces on the Proposal Quote Form, qualifying notes or exceptions, counter offers, lack of required submittals, or signatures, on County's Form may result in the Quoter/Quote being declared non-responsive by the County.

ANTI-COLLUSION STATEMENT

THE BELOW SIGNED QUOTER HAS NOT DIVULGED TO, DISCUSSED OR COMPARED HIS QUOTE WITH OTHER QUOTERS AND HAS NOT COLLUDED WITH ANY OTHER QUOTER OR PARTIES TO A QUOTE WHATSOEVER. NOTE: NO PREMIUMS, REBATES OR GRATUITIES TO ANY EMPLOYEE OR AGENT ARE PERMITTED EITHER WITH, PRIOR TO, OR AFTER ANY DELIVERY OF MATERIALS. ANY SUCH VIOLATION WILL RESULT IN THE CANCELLATION AND/OR RETURN OF MATERIAL (AS APPLICABLE) AND THE REMOVAL FROM THE MASTER BIDDERS LIST.

FIRM NAME CORCEL CORP.

BY (Printed): RAY CORONA

BY (Signature): Ray Corona

TITLE: MANAGER

FEDERAL ID # OR S.S.# 65-024 6259

ADDRESS: 2461 N.W 23rd ST
MIAMI, FL 33142

PHONE NO.: (305) 636-1880

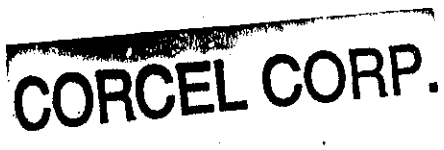
FAX NO.: (305) 636-1897

CELLULAR PHONE/PAGER NO.: 305-972-3109

LEE COUNTY OCCUPATIONAL LICENSE NUMBER: N/A

E-MAIL ADDRESS: corcelcorp@aol.com

REVISED: 7/28/00



ATTACHMENT A
LOCAL VENDOR PREFERENCE QUESTIONNAIRE
(LEE COUNTY ORDINANCE NO. 00-10)

Instructions: Please complete either Part A or B whichever is applicable to your firm

PART A: VENDOR'S PRINCIPAL PLACE OF BUSINESS IS LOCATED WITHIN LEE COUNTY (Only complete Part A if your principal place of business is located within the boundaries of Lee County)

1. What is the physical location of your principal place of business that is located within the boundaries of Lee County, Florida?

2. What is the size of this facility (i.e. sales area size, warehouse, storage yard, etc.)

PART B: VENDOR'S PRINCIPAL PLACE OF BUSINESS IS NOT LOCATED WITHIN LEE COUNTY OR DOES NOT HAVE A PHYSICAL LOCATION WITHIN LEE COUNTY (Please complete this section.)

1. How many employees are available to service this contract? 6

2. Describe the types and amount of equipment you have available to service this contract.

FORK LIFT & related

3. Describe the types and amount of material stock that you have available to service this contract.

MEDIUM FIVE FIGURES IN VALVES, FIRE HYDRANTS
ALL FITTINGS

4. Have you provided goods or services to Lee County on a regular basis for the preceding, consecutive five years?

Yes _____ No

If yes, please provide your contractual history with Lee County for the past five, consecutive years. Attach additional pages necessary.

CORCEL CORP.

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
SECTION 7				****FLANGE FITTINGS****	
			10 EA.	10 DI 125# BLIND FLANGE	
			10 EA.	12 DI 125# BLIND FLANGE	
			10 EA.	3 DI 125# BLIND FLANGE	
			10 EA.	4 DI 125# BLIND FLANGE	
			10 EA.	6 DI 125# BLIND FLANGE	
			10 EA.	8 DI 125# BLIND FLANGE	
			10 EA.	2 DI 125# THRD COMP FLNG F/ STL	
			10 EA.	3 DI 125# THRD COMP FLNG F/ STL	
			10 EA.	4 DI 125# THRD COMP FLNG F/ STL	
			10 EA.	6 DI 125# THRD COMP FLNG F/ STL	
			10 EA.	10 DI 125# FLANGE 45 BEND	
			10 EA.	12 DI 125# FLANGE 45 BEND	
			10 EA.	3 DI 125# FLANGE 45 BEND	
			10 EA.	4 DI 125# FLANGE 45 BEND	
			10 EA.	6 DI 125# FLANGE 45 BEND	
			10 EA.	8 DI 125# FLANGE 45 BEND	
			10 EA.	10 DI 125# FLANGE 90 BEND	
			10 EA.	12 DI 125# FLANGE 90 BEND	
			10 EA.	16 DI 125# FLANGE 90 BEND	
			10 EA.	3 DI 125# FLANGE 90 BEND	
			8 EA.	4 DI 125# FLANGE 90 BEND	
			8 EA.	6 DI 125# FLANGE 90 BEND	
			6 EA.	8 DI 125# FLANGE 90 BEND	
			10 EA.	10X8 DI 125# FLANGE CONC RED	
			10 EA.	4X3 DI 125# FLANGE CONC RED	
			10 EA.	6X4 DI 125# FLANGE CONC RED	
			10 EA.	8X6 DI 125# FLANGE CONC RED	
			10 EA.	10 DI 125# FLANGE TEE	
			10 EA.	3 DI 125# FLANGE TEE	
			10 EA.	4 DI 125# FLANGE TEE	
			10 EA.	4X3 DI 125# FLANGE TEE	
			10 EA.	6 DI 125# FLANGE TEE	
			10 EA.	6X4 DI 125# FLANGE TEE	
			10 EA.	8 DI 125# FLANGE TEE	
			10 EA.	8X4 DI 125# FLANGE TEE	
			10 EA.	8X6 DI 125# FLANGE TEE	
			10 EA.	10X2 DI 125# TAP BLIND FLANGE	
			10 EA.	3X2 DI 125# TAP BLIND FLANGE	
			10 EA.	4X2 DI 125# TAP BLIND FLANGE	
			10 EA.	6X2 DI 125# TAP BLIND FLANGE	
			10 EA.	6X3 DI 125# TAP BLIND FLANGE	
			10 EA.	8X2 DI 125# TAP BLIND FLANGE	
				GRAND TOTAL (UNIT COST)	
SECTION 8				****GATE VALVES****	
			10 EA.	4 FLANGE RW DI OL GATE VALVE	147.15
			10 EA.	4 MJ RW DI OL GATE VALVE L/A	147.15
			10 EA.	4 MJ RW DI OL TAPN VALVE L/A	185.65
			10 EA.	6 FLANGE RW DI OL GATE VALVE	195.55

CORCEL CORP.

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	6 MJ RW DI OL GATE VALVE L/A	188.00
			10 EA.	8 FLANGE RW DI OL GATE VALVE	305.50
			10 EA.	8 MJ RW DI OL GATE VALVE W/A	299.40
			10 EA.	8 MJ RW DI OL TAPN VALVE L/A	389.65
			10 EA.	10 FLANGE RW DI OL GATE VALVE	485.05
			10 EA.	10 MJ RW DI OL GATE VALVE L/A	467.20
			10 EA.	12 MJ RW DI OL GATE VALVE L/A	595.50
			10 EA.	16 MJ RW DI OL GATE VALVE L/A	2,726.00
			10 EA.	2 THRD RW OL GATE VALVE	89.80
			10 EA.	3 FLANGE RW OL GATE VALVE	130.70
			10 EA.	3 MJ RW OL GATE VALVE L/A	141.00
				GRAND TOTAL (UNIT COST)	6,493.30
SECTION 9				****METER BOXES****	
			100 EA.	QUAZITE PG1118BB12 BOX	
			100 EA.	QUAZITE PG1118WAP1 COVER	
			100 EA.	CDR WB00-1118-12 BOX	
			100 EA.	CDR WC00-1118-2C COVER	
			100 EA.	QUAZITE PG1730BB12 BOX	
			100 EA.	QUAZITE PG1730WAP1 COVER	
			100 EA.	CDR WB-1730-12 BOX	
			100 EA.	CDR WC00-1730-2C COVER	
			100 EA.	QUAZITE PG1015WAR.1	
			100 EA.	CDR R-1071-2C	
			100 EA.	QUAZITE PG1730WAP1	
			100 EA.	CDR WC00-1730-2C	
				GRAND TOTAL (UNIT COST)	
SECTION 10				****HYDRANTS AND ASSEMBLIES****	
			10 EA.	5-1/4 VO B84B HYD 3'6" BURY	583.45

CORCEL CORP.

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	5-1/4 VO B84B HYD 4'0 BURY OL L/A	597.25
			10 EA.	5-1/4 VO B84B HYD 4'6 BURY OL L/A	611.00
			10 EA.	6 HYD EXT 4-1/2 MK73/ 5-1/4 B84B	130.45
			10 EA.	12 HYD EXT 4-1/2 MK73 /5-1/4 B84B	158.70
			10 EA.	18 HYD EXT 4-1/2 MK73 /5-1/4 B84B	174.60
			10 EA.	24 HYD EXT 4-1/2 MK73 /5-1/4 B84B	205.65
			10 EA.	30 HYD EXT 4-1/2 MK73 /5-1/2 B84B	222.20
			10 EA.	MUELLER CENTURION A-423	610.00
			10 EA.	KENNEDY K-81A	610.00
			10 EA.	AMERICAN DARLING LCU B84B	610.00
			10 EA.	CLOW MEDALLION	610.00
			10 EA.	U.S. PIPE METROPOLITAN 250 MODEL 94	610.00
				GRAND TOTAL (UNIT COST)	5,733.30
SECTION 11				****METER ASSEMBLY PARTS****	
			10 EA.	3/4 INS STIFFENER F/ CTS	
			10 EA.	1 INS STIFFENER F/ CTS	
			10 EA.	1-1/2 INS STIFFENER F/ CTS	
			10 EA.	2 INS STIFFENER F/ CTS	
			10 EA.	3/4 FIP X FIP BALL CURB ST LW	
			10 EA.	3/4 FIP X FIP BALL CURB B ST LW	
			10 EA.	1 FIP X FIP BALL CURB ST LW	
			10 EA.	1 FIP X FIP BALL CURB ST LW	
			10 EA.	1-1/2 FIP X FIP BALL CURB ST LW	
			10 EA.	2 FIP X FIP BALL CURB ST LW	
			10 EA.	3/4 CTS COMP X FIP BALL CURB LW	
			10 EA.	1 CTS COMP X 3/4 FIP BALL CURB LW	
			10 EA.	1 CTS COMP X FIP BALL CURB LW	
			10 EA.	1 CTS COMP X FIP BALL CURB LW	
			10 EA.	1-1/2 CTS COMP X FIP BALL CURB LW	
			10 EA.	2 CTS COMP X FIP BALL CURB LW	
			10 EA.	2 CTS GRIP COMP X FIP BALL CURB	
			10 EA.	3/4 CTS COMP X MTR STR BV LW	

CORCEL CORP.

MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	10 CI FLANGE NON LUB PLUG VALVE	
			6 EA.	4 CI FLANGE NON LUB PLUG VALVE	
			6 EA.	6 CI FLANGE NON LUB PLUG VALVE	
			4 EA.	8 CI FLANGE NON LUB PLUG VALVE	
			1 EA.	16 MJ NON LUB PLUG VALVE	
			10 EA.	10 MJ NON LUB PLUG VALVE L/A	
			2 EA.	12 MJ NON LUB PLUG VALVE L/A	
			10 EA.	3 MJ NON LUB PLUG VALVE L/A	
			3 EA.	4 MJ NON LUB PLUG VALVE L/A	
			3 EA.	6 MJ NON LUB PLUG VALVE L/A	
			2 EA.	8 MJ NON LUB PLUG VALVE L/A	
			1 EA.	4 CI FLANGE 3 WAY NON LUB PLUG VALVE	
			1 EA.	6 CI FLANGE 3 WAY NON LUB PLUG VALVE	
				GRAND TOTAL (UNIT COST)	
SECTION 13				**TRANSITION FLEXIBLE COUPLINGS**	
			4 EA.	10 CLAY X 10 CI PVC COUPLING	
			4 EA.	12 CLAY X 12 CI PVC COUPLING	
			20 EA.	4 CLAY X 4 CI PVC COUPLING	
			6 EA.	4 CLAY X 6 CI PVC COUPLING	
			15 EA.	6 CLAY X 4 CI PVC COUPLING	
			15 EA.	6 CLAY X 6 CI PVC COUPLING	
			6 EA.	8 CLAY X 6 CI PVC COUPLING	
			6 EA.	8 CLAY X 8 CI PVC COUPLING	
			8 EA.	4 AC DI X 4 CI PVC COUPLING	
			8 EA.	6 AC DI X 6 CI PVC COUPLING	
			8 EA.	8 AC DI X 8 CI PVC COUPLING	
			4 EA.	10 CI PVC X 10 CI PVC COUPLING	
			4 EA.	12 CI PVC X 12 CI PVC COUPLING	
			8 EA.	3 CI PVC X 3 CI PVC COUPLING	
			6 EA.	4 CI PVC X 3 CI PVC COUPLING	
			50 EA.	4 CI PVC X 4 CI PVC COUPLING	
			6 EA.	6 CI PVC X 4 CI PVC COUPLING	
			6 EA.	6 CI PVC X 6 CI PVC COUPLING	
			8 EA.	8 CI PVC X 6 CI PVC COUPLING	
			8 EA.	8 CI PVC X 8 CI PVC COUPLING	
			8 EA.	6 CLAY X 6 CI PVC COUPLING	
			6 EA.	8 CI PVC X 8 CI PVC COUPLING	
				GRAND TOTAL (UNIT COST)	
SECTION 14				****SEWER FITTINGS****	
			12 EA.	4 PVC SWR REC THRD CO PLUG	1.85
			12 EA.	6 PVC SWR REC THRD CO PLUG	4.00
			12 EA.	4 PVC SWR SPGT X DWV HUB ADAPTOR	3.20
			12 EA.	6 PVC SWR SPGT X DWV HUB ADAPTOR	7.25
			10 EA.	8 PVC SWR SPGT X DWV HUB ADAPTOR	19.85

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MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	COST
			8 EA.	4 PVC SWR HUB FEM CO ADAPTOR	1.30
			8 EA.	6 PVC SWR HUB FEM CO ADAPTOR	6.15
			10 EA.	8 PVC SWR HUB FEM CO ADAPTOR	19.30
			12 EA.	4 PVC SWR RH THRD CO PLUG	.75
			12 EA.	6 PVC SWR RH THRD CO PLUG	4.00
			10 EA.	8 PVC SWR RH THRD CO PLUG	14.90
			10 EA.	10 PVC SWR PLUG	23.90
			10 EA.	12 PVC SWR PLUG	28.55
			10 EA.	15 PVC SWR PLUG	56.10
			12 EA.	4 PVC SWR PLUG	1.35
			12 EA.	6 PVC SWR PLUG	2.05
			12 EA.	6 PVC SWR PLUG	2.05
			12 EA.	8 PVC SWR PLUG	7.20
			10 EA.	10X4 PVC SWR SXG BUSHING	34.80
			10 EA.	10X6 PVC SWR SXG BUSHING	36.15
			10 EA.	10X8 PVC SWR SXG BUSHING	43.00
			10 EA.	12X10 PVC SWR SXG BUSHING	60.30
			10 EA.	12X6 PVC SWR SXG BUSHING	47.45
			10 EA.	12X8 PVC SWR SXG BUSHING	54.40
			10 EA.	6X4 PVC SWR SXG BUSHING	4.90
			10 EA.	6X4 PVC SWR SXG BUSHING	4.90
			10 EA.	8X4 PVC SWR SXG BUSHING	13.30
			10 EA.	8X6 PVC SWR SXG BUSHING	14.90
			4 EA.	4 PVC SWR TEMPORARY PLUG	1.20
			4 EA.	6 PVC SWR TEMPORARY PLUG	1.70
			10 EA.	8 PVC SWR TEMPORARY PLUG	3.55
			10 EA.	6 PVC HW SWR 22-1/2 ELBOW GXG	13.80
			15 EA.	4 PVC HW SWR GXG 45 BEND	5.55
			15 EA.	6 PVC HW SWR GXG 45 BEND	10.15
			15 EA.	8 PVC HW SWR GXG 45 BEND	24.40
			10 EA.	4 PVC HW SWR GXG 90 BEND	10.95
			10 EA.	6 PVC HW SWR GXG 90 BEND	26.90
			10 EA.	8 PVC HW SWR GXG 90 BEND	48.80
			25 EA.	6 PVC HW SWR GXG DBL WYE	35.95
			25 EA.	6X4 PVC HW SWR GXG DBL WYE	27.00
			8 EA.	6 PVC HW SWR GXG REP COUPLING	12.20
			8 EA.	8 PVC HW SWR GXG REP COUPLING	20.00
			25 EA.	4 PVC SWR HW 22-1/2 ELBOW SXG	7.00
			25 EA.	6 PVC HW SWR 22-1/2 ELBOW SXG	13.20
			25 EA.	4 PVC HW SWR GXG 45 BEND	5.10
			15 EA.	6 PVC HW SWR GXG 45 BEND	7.50
			10 EA.	8 PVC HW SWR GXG 45 BEND	24.45
			10 EA.	6 PVC SWR GXG 90 BEND HVY WALL	26.90
			10 EA.	8 PVC HW SWR GXGXG TEE	37.05
			10 EA.	6 PVC HW SWR GXGXG TEE WYE	23.95
			4 EA.	8 PVC HW SWR GXGXG TEE WYE	57.70
			10 EA.	8X4 PVC HW SWR GXGXG TEE WYE	22.45
			10 EA.	8X6 PVC HW SWR GXGXG TEE WYE	25.70
			10 EA.	10X6 PVC HW SWR GXGXG WYE -	74.40

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MFR.	MFR PART #	DISTR #	QUANT.	DESCRIPTION	UNIT COST
			10 EA.	12X6 PVC HW SWR GXGXG WYE	80.25
			25 EA.	4 PVC HW SWR 45 WYE GXGXG	12.50
			25 EA.	6 PVC HW SWR GXGXG WYE	20.30
			25 EA.	6X4 PVC HW SWR GXGXG WYE	16.40
			10 EA.	8 PVC HW SWR GXGXG WYE	46.10
			10 EA.	8X4 PVC HW SWR GXGXG WYE	22.90
			12 EA.	8X6 PVC HW SWR GXGXG WYE	26.35
				GRAND TOTAL (UNIT COST)	1310.20
SECTION 15				**EPOXY LINED FLANGE FITTINGS**	
			10 EA.	4 FLANGE EPOX LINED 45 BEND	
			10 EA.	4 FLANGE EPOX LINED 90 BEND	
			10 EA.	6 FLANGE EPOX LINED 90 BEND	
			10 EA.	8 FLANGE EPOX LINED 90 BEND	
			10 EA.	6X4 FLANGE EPOX LINED CONC RED	
			10 EA.	4 FLANGE EPOX LINED TEE	
			10 EA.	6 FLANGE EPOX LINED TEE	
			10 EA.	6X4 FLANGE EPOX LINED TEE	
			10 EA.	8 FLANGE POLYLINED TEE	
			10 EA.	8X6 FLANGE POLYLINED TEE	
				GRAND TOTAL (UNIT COST)	
SECTION 16				** EPOXY LINED MECHANICAL JOINT FITTINGS**	
			6 EA.	6 MJ C153 EPOX LINED 11-1/4 L/A	
			6 EA.	10 MJ C153 EPOX LINED 22-1/2 L/A	
			6 EA.	4 MJ C153 EPOX LINED 22 L/A	
			6 EA.	6 MJ C153 EPOX LINED 22-1/2 L/A	
			6 EA.	8 MJ C153 EPOX LINED 22-1/2 L/A	
			6 EA.	10 MJ C153 EPOX LINED 45 L/A	
			6 EA.	12 MJ C153 EPOX LINED 45 L/A	
			6 EA.	16 MJ C153 EPOX LINED 45 L/A	
			6 EA.	3 MJ C153 EPOX LINED 45 L/A	
			6 EA.	4 MJ C153 EPOX LINED 45 L/A	
			6 EA.	6 MJ C153 EPOX LINED 45 L/A	
			6 EA.	8 MJ C153 EPOX LINED 45 L/A	
			6 EA.	10 MJ C153 EPOX LINED 90 L/A	
			6 EA.	12 MJ C153 EPOX LINED 90 L/A	
			6 EA.	4 MJ C153 EPOX LINED 90 L/A	
			6 EA.	6 MJ C153 EPOX LINED 90 L/A	
			6 EA.	8 MJ C153 EPOX LINED 90 L/A	
			6 EA.	12 MJ C153 EPOX LONG SLV L/A	
			6 EA.	4 MJ C153 EPOX LONG SLV L/A	
			6 EA.	6 MJ C153 EPOX LONG SLV L/A	
			6 EA.	6X4 MJ C153 EPOX LINED RED L/A	
			6 EA.	8X6 MJ C153 EPOX LINED RED L/A	
			6 EA.	4 MJ C153 EPOX LINED TEE L/A	
			6 EA.	4X3 MJ C153 EPOX LINED TEE L/A	
			6 EA.	6 MJ C153 EPOX LINED TEE	
			6 EA.	8 MJ C153 EPOX LINED TEE L/A	
			6 EA.	8X4 MJ C153 EPOX LINED TEE L/A-	

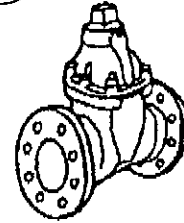
AMERICAN AVK CO.

AWWA PRODUCTS
Resilient Seated Gate Valves (NRS)

CLASS 125

FL X FL			Trade Price all less accessories	
Catalogue No.	Size	Weight	w/ Op. Nut	w/ Handwheel
25-050-40	2"	43 lbs	196	196
25-065-40	2 1/2"	45 lbs	267	267
25-080-40	3"	50 lbs	278	278
25-100-40	4"	73 lbs	313	313
25-150-40	6"	117 lbs	416	416
25-200-40	8"	183 lbs	650	650
25-250-40	10"	282 lbs	1,032	1,032
25-300-40	12"	367 lbs	1,245	1,245
21-350-50* ¹	14"	592 lbs	5,300	5,600
25-400-40 ¹	16"	810 lbs	5,800	6,110

FL

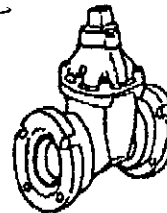


AVK Series 2540
FLxFL NRS Gate Valve, 200 PSI
AWWA C509

* with raised face flanges only. 1: Stainless Steel Stem is standard

MJ X MJ			Trade Price	
Catalogue No.	Size	Weight	w/ Accessories	less Access.
25-080-00	3"	45 lbs	322	300
25-100-00	4"	68 lbs	335	313
25-150-00	6"	123 lbs	434	400
25-200-00	8"	165 lbs	675	637
25-250-00	10"	251 lbs	1,050	994
25-300-00	12"	375 lbs	1,326	1,267
25-400-00	16"	799 lbs	n/a	5,800

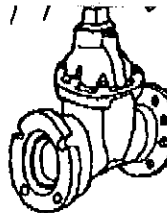
MJ



AVK Series 2500
MJxMJ NRS Gate Valve, 200 PSI
AWWA C509

* MJ = Mechanical Joint

MJ X FLANGE			Trade Price	
Catalogue No.	Size	Weight	w/Accessories	less Access.
25-100-30	4"	70 lbs	319	300
25-150-30	6"	117 lbs	419	400
25-200-30	8"	174 lbs	652	636
25-250-30	10"	265 lbs	1,026	994
25-300-30	12"	401 lbs	1,269	1,200
25-400-30	16"	755 lbs	n/a	5,800



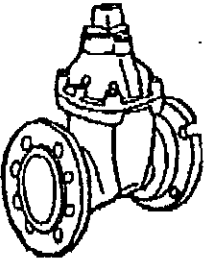
AVK Series 2530
MJxFL NRS Gate Valve, 200 PSI
AWWA C509

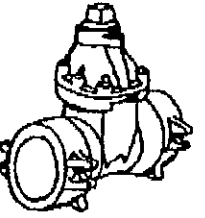
AMERICAN AVK CO.

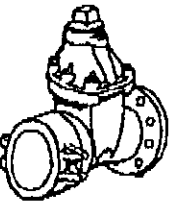
AWWA PRODUCTS

CLASS 125

Resilient Seated Gate Valves (NRS)

 <p>AVK Series 25/38 MJ&FL NRS Tapping Gate Valve, 200 PSI AWWA C509</p>	TAPPING			Trade Price all less accessories	
	Catalogue No.	Size	Weight	w/ all Access.	less MJ Access.
	25-100-38	4"	71 lbs	418	395
	25-150-38	6"	117 lbs	580	558
	25-200-38	8"	174 lbs	860	829
	25-250-38	10"	265 lbs	1,288	1,250
	25-300-38	12"	401 lbs	1,969	1,888
1: Use undersize cutter. 1/4" smaller than nominal pipe size recommended.					

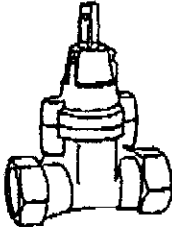
 <p>AVK Series 25/50 POxPO NRS Gate Valve, 200 PSI AWWA C509</p>	PO X PO			Trade Price all less accessories	
	Catalogue No.	Size	Weight	w/ Gasket ²	less Gasket
	25-100-50	4"	73 lbs	341	322
	25-150-50	6"	118 lbs	441	424
	25-200-50	8"	187 lbs	705	644
	25-250-50	10"	335 lbs	1,076	1,039
	25-300-50	12"	461 lbs	1,347	1,303
25-400-50	16"	766 lbs	n/a	5,800	
2: Standard [redacted] gasket only. Special gaskets available upon request at additional charge.					

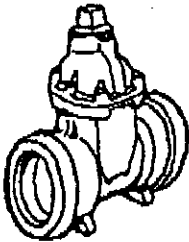
 <p>AVK Series 25/60 POxFL NRS Gate Valve, 200 PSI AWWA C509</p>	PO X FL			Trade Price all less accessories	
	Catalogue No.	Size	Weight	w/Gasket ²	less Gasket
	25-100-60	4"	73 lbs	325	316
	25-150-60	6"	118 lbs	429	417
	25-200-60	8"	187 lbs	674	658
	25-250-60	10"	335 lbs	1,054	1,036
	25-300-60	12"	460 lbs	1,297	1,274
25-400-60	16"	799 lbs	n/a	5,800	
2: Standard [redacted] gasket only. Special gaskets available upon request at additional charge.					

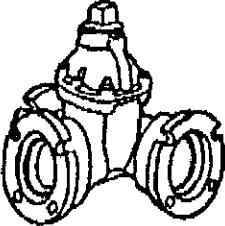
AMERICAN AVK CO.

AWWA PRODUCTS
Resilient Seated Gate Valves (NRS)

Threaded x Threaded


	Threaded x Threaded			Trade Price all less accessories	
	Catalogue No.	Size	Weight	w/ Op. Nut	w/Handwheel
<p>AVK Series 03/35 NPT x NPT NRS Gate Valve, 200 PSI AWWA C509</p>	03-032-35	1"	8 lbs	185	185
	03-040-35	1 1/4"	9 lbs	188	188
	03-050-35	1 1/2"	14 lbs	199	199
	03-063-35	2"	18 lbs	191	191
	03-075-35	2 1/2"	22 lbs	237	237
	03-090-35	3"	25 lbs	282	282

	IPS/IPS Push-On Push-On			Trade Price with Gasket	
	Catalogue No.	Size	Weight	w/ Op. Nut	
<p>AVK Series 03/36 and 25/10 IPS x IPS NRS Push On Gate Valve, 200 PSI AWWA C509</p>	03-063-36	2"	18 lbs	204	
	25-065-10	2 1/2"	47 lbs	279	
	25-080-10	3"	52 lbs	298	
	25-100-10	4"	78 lbs	341	
	25-150-10	6"	118 lbs	441	
	25-200-10	8"	187 lbs	696	

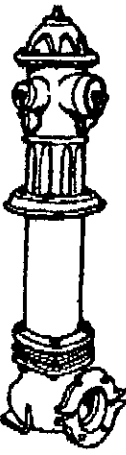
	MJ x MJ Combi Valve Tee			Trade Price	
	Catalogue No.	Size	Weight		less Access.
<p>AVK Series 1800 MJ x MJ NRS Combi Valve Tee, 200 PSI AWWA C509</p>	18-150-00	6" x 6"	154 lbs		783
	18-200-00	8" x 6"	198 lbs		987
	18-300-00	12" x 6"	350 lbs		1,535

AMERICAN AVK CO.

AWWA, UL/FM, ULC
PRODUCTS
 Hydrants

	Dry Barrel Hydrant 2700			Trade Price with accessories	
	Catalogue No.	Bury	Weight		
	2700-03	2.5' or less	320 lbs	1,110	
	2700-04	3.0'	340 lbs	1,137	
	2700-05	3.5'	360 lbs	1,164	
	2700-06	4.0'	380 lbs	1,191	
	2700-07	4.5'	400 lbs	1,218	
	2700-08	5.0'	420 lbs	1,245	
	2700-09	5.5'	440 lbs	1,272	
	2700-10	6.0'	460 lbs	1,299	
	2700-11	6.5'	480 lbs	1,326	
	2700-12	7.0'	500 lbs	1,353	
	2700-13	7.5'	520 lbs	1,380	
	2700-14	8.0'	540 lbs	1,407	
	2700-15	8.5'	560 lbs	1,436	
	2700-16	9.0'	580 lbs	1,464	
	2700-17	9.5'	600 lbs	1,491	
	2700-18	10.0'	620 lbs	1,518	

AVK Series 2700
 'Modern Style' Dry Barrel Hydrant, 200 PSI
 AWWA C502, FM Approved, UL & ULC Listed

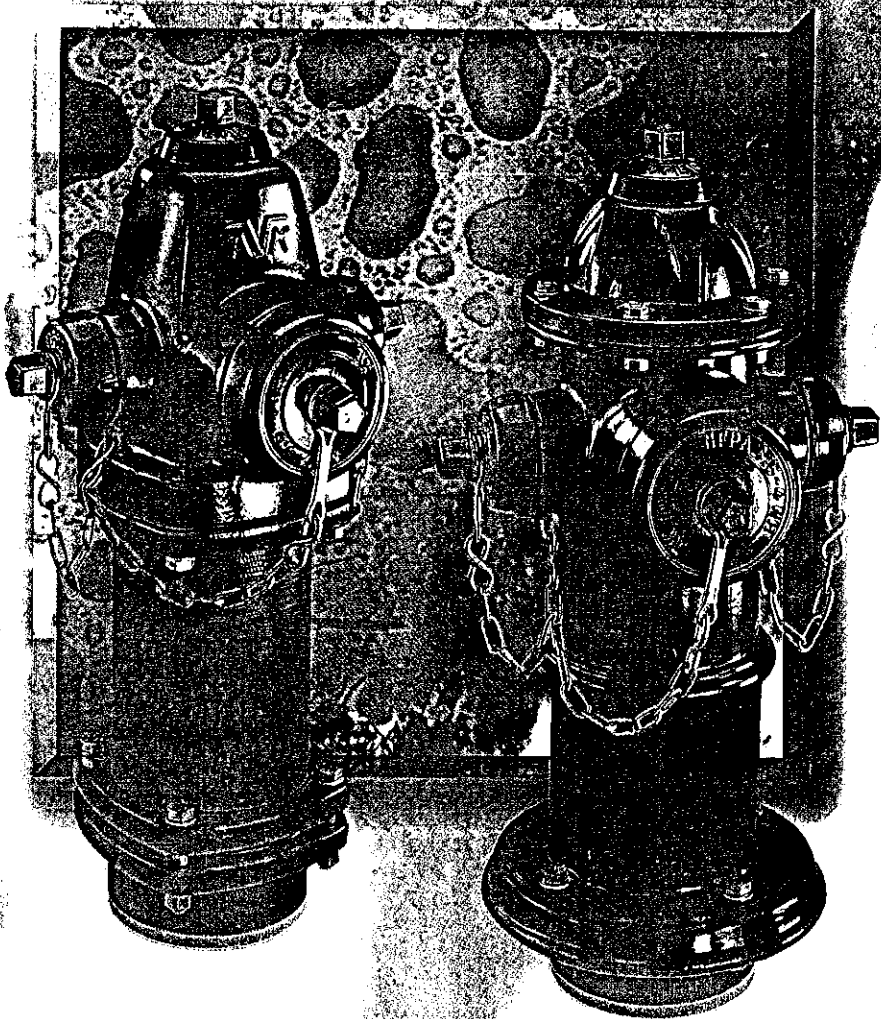
	Dry Barrel Hydrant 2780			Trade Price with accessories	
	Catalogue No.	Bury	Weight		
	2780-03	2.5' or less	320 lbs	1,110	
	2780-04	3.0'	340 lbs	1,137	
	2780-05	3.5'	360 lbs	1,164	
	2780-06	4.0'	380 lbs	1,191	
	2780-07	4.5'	400 lbs	1,218	
	2780-08	5.0'	420 lbs	1,245	
	2780-09	5.5'	440 lbs	1,272	
	2780-10	6.0'	460 lbs	1,299	
	2780-11	6.5'	480 lbs	1,326	
	2780-12	7.0'	500 lbs	1,353	
	2780-13	7.5'	520 lbs	1,380	
	2780-14	8.0'	540 lbs	1,407	
	2780-15	8.5'	560 lbs	1,436	
	2780-16	9.0'	580 lbs	1,464	
	2780-17	9.5'	600 lbs	1,491	
	2780-18	10.0'	620 lbs	1,518	

AVK Series 2780
 'Nostalgic Style' Dry Barrel Hydrant, 200 PSI
 AWWA C502, FM Approved, UL & ULC Listed

For Bulk quantities, contact your distributor for a discount of 5% from List Price.

CORCEL CORP

Dry Barrel Fire Hydrants



Series 27 Dry Barrel Fire Hydrants

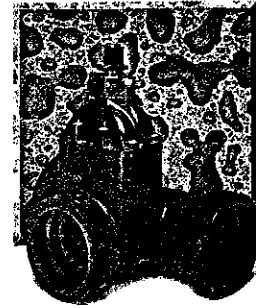
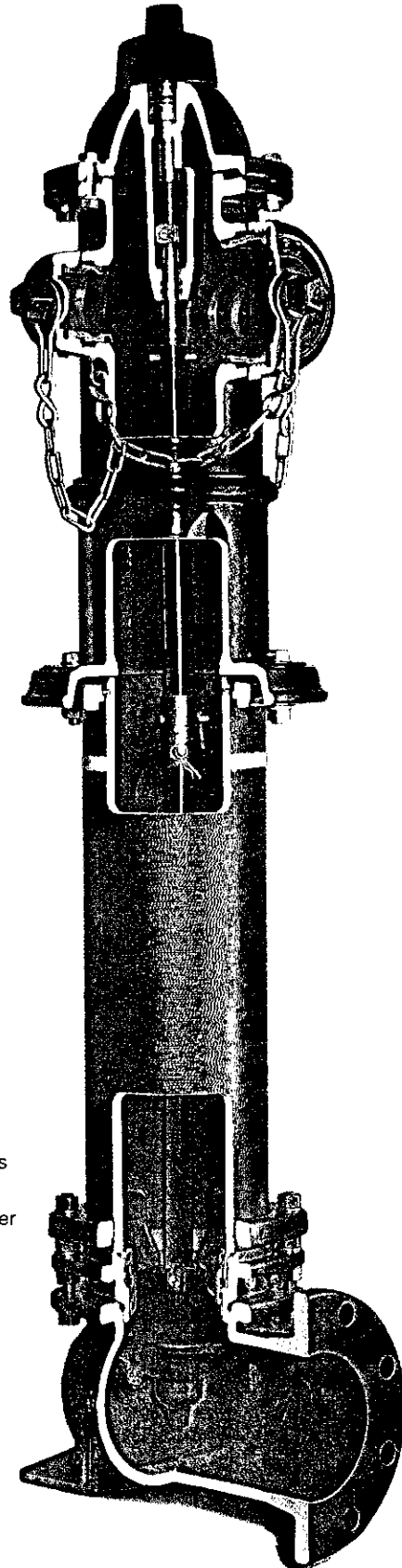
Meets or Exceeds the AWWA C502 Specification

FEATURES

- Modern or nostalgic styles available with interchangeable parts
- UL/ULC listed and FM approved
- High pressure rating — 200 PSI
- Ductile iron nozzle section, barrel section and base
- 5 1/4" valve opening for high flow rating
- Hydrant repairable under pressure
- 360 degree nozzle section rotation possible
- Removable nozzles secured with external stainless steel allen screw
- Light-weight, inexpensive hydrant tools
- Traffic flange designed for easy repair
- Stainless steel traffic coupling designed for longer operational life (resists elongation) and high corrosion resistance
- 360 degree all bronze drain channel
- Travel stop nut in the nozzle section for additional safety (optional)
- Inlet shoe can be changed without dismantling hydrant — available in most configurations (MJ, FL, PO)
- Hydrant shoe and nozzle section are epoxy lined and coated
- Hydrant drain easily plugged if required — may be plugged internally or externally
- Extensions available in lengths from 6" to 60"
- Stainless steel upper and/or lower stem available

AVK FULLY ENCAPSULATED ONE-PIECE HYDRANT MAIN VALVE

- Patented AVK design — one piece replaces up to 13 pieces
- Ductile iron core fully encapsulated in rubber
- No exposed metal — completely corrosion resistant (bottom stops of stainless steel)
- Easy maintenance
- Cost-effective, labor saving — reduced inventory
- UL/ULC listed and FM approved



Another AVK Innovation — Series 18 Combi-Tee Valve:

- Push-on or MJ connection
Sizes: ● 6" x 6" ● 8" x 6" ● 12" x 6"
- Time saving installation and competitive pricing
- Designed for lateral hydrant installations off main lines
- Main line laying length to AWWA C-110
- Gate valve to AWWA C-509
- Epoxy coated inside and out to AWWA C-550

**American AVK
Commitment:
Quality Products —
Delivered On Time**

High Quality:

- Products are proudly MADE IN AMERICA
- Tested to AWWA, UL, ULC and FM requirements

Product Range

- All standard end configurations available
- Size range: NRS gate valves 1" - 24"
- Size range: OS&Y gate valves 2 1/2" - 12"
- Size range: post indicator gate valves 4" - 12"
- GENUINE Class 250 psi resilient wedge gate valves available — NRS 4" - 12"
- 18" - 24" NRS Resilient Wedge Gate Valves utilizing the exclusive AVK PowerSaver® feature for reduced operating torque.

American AVK Company Locations To Serve You:

Fresno, California N. Charleston, South Carolina
Telephone: (559) 452-4300 Telephone: (843) 552-5557
Fax: (559) 251-0246 Fax: (843) 552-8852

AVK

AMERICAN AVK COMPANY

AMERICAN AVK HIGH PRESSURE DRY BARREL HYDRANT 27/80

**Working pressure 200 PSI. Flanged, Mechanical Joint or Push-on base.
Meets or exceeds ANS/AWWA C502 (latest).
Removable / replaceable nozzles and hydrant seat. Top stop nut. Easily repaired Traffic section.
Nozzle section rotates 360°. 5 1/4" main valve opening. All bronze drain ring, plugable drains.**

Tests:

Pressure tested to twice the rated working pressure - 400 PSI

Options:

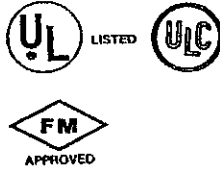
Bury depths from 11/2'- 121/2', in 6" increments.
4" or 41/2" pumper nozzle.
Base available in Flanged or Mechanical Joint and Push-on for D.I. size pipe.

Accessories:

Extensions kits in 6" increments
Traffic section repair kits
Seat removal wrench
Operating wrench
Oil saver sleeve

Approvals:

UL - listed
FM - approved
ULC - listed



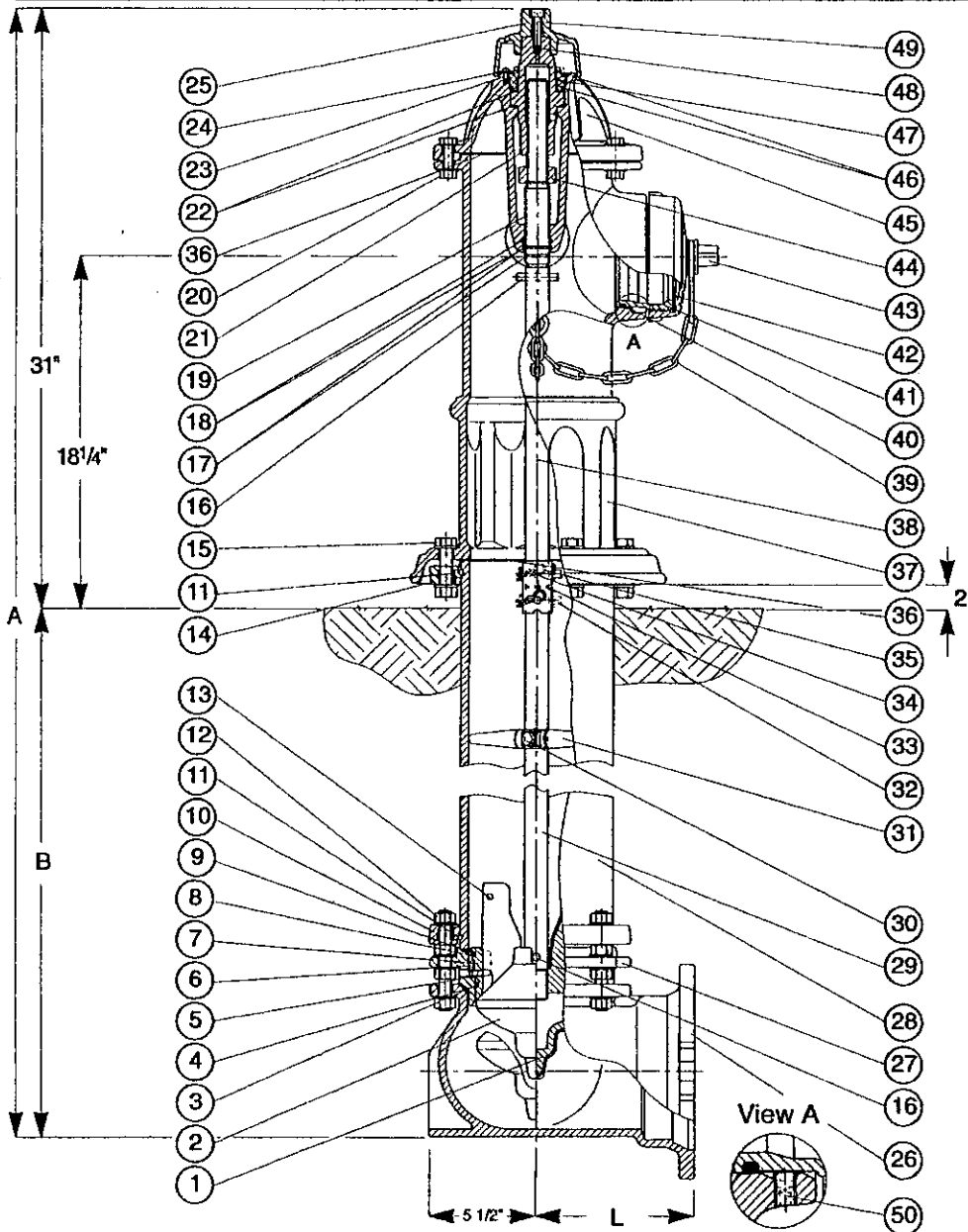
Materials:

Nozzle section, Barrels, Stand-pipe flanges, Breakable flange, Base, Main valve flange, Weathershield operating nut, Bonnet	Ductile iron
Main Valve Disc	Ductile iron core, fully encapsulated in EPDM Rubber
Caps	Cast iron
Coating	Above ground, fusion bonded Epoxy, inside and out. Below ground, Bitumen / fusion bonded Epoxy
Nozzles, Valve seat ring, Drain ring, Drain bushings and plugs, Stem nut, Stem Bushing, Thrust nut	Bronze
Stop nut, Cap chain, Bolts, Nuts	Zinc plated steel
Upper and Lower stem rod	Epoxy coated steel
Stem rod coupling, Standpipe lock rings, Nozzle lock screw, Lock plate, Lock plate screw, Spider bolt, Stop pins, Lock pins	Stainless steel
Barrel gaskets, Cap gaskets, O-rings	Nitrile rubber



CORCEL CORP.

Working pressure 200 PSI. Flanged, Mechanical Joint or Push-on base.
 Meets or exceeds ANSI/AWWA C502 (latest).
 Removable / replaceable nozzles and hydrant seat. Top stop nut. Easily repaired Traffic section.
 Nozzle section rotates 360°. 5 1/4" main valve opening. All bronze drain ring, plugable drains.



1. Main Valve Core
2. Main Valve
3. Base Gasket
4. Lower Seat O-ring
5. Drain Bushing
6. Drain Ring
7. Valve Seat Ring
8. Upper Seat O-ring
9. Standpipe Flange
10. Standpipe Flange
11. Lock Ring
12. Threaded Rod and Nut
13. Stop Pin
14. Breakable Flange
15. Bolt and Nut
16. Seat Removal/Lock Pins
17. Stem Bushing O-rings
18. Oil reservoir O-rings
19. Upper Stem Rod Bushing
20. Bolt and Nut
21. Stem Nut
22. Anti Friction Washer
23. Lock Plate Screw
24. Lock Plate
25. Weathershield Operating nut
26. Base
27. Main Valve / Drain Ring Flange
28. Standpipe
29. Lower Stem Rod
30. Spider Bolt
31. Spider
32. Split bolt
33. Breakable Coupling
34. Split bolt
35. Spring Pin
36. Barrel Gasket
37. Nozzle Section
38. Upper Stem Rod
39. Cap Chain
40. Nozzle O-ring
41. Nozzle
42. Cap Gasket
43. Cap
44. Stop Nut
45. Bonnet
46. Upper and Lower Thrust nut O-rings
47. Thrust Nut
48. Lubrication Hole Seal
49. Operating Nut Screw
50. Nozzle Lock Screw

Ref. nos.	Nozzles	A	B	L		
				Flanged	Mech. Joint	Push-on
27-80	2 hose and 1 pumper	49" - 181"	18" - 150"	8"	8"	9"

Note: When ordering, please specify Base type and size, Bury depth, Operating / cap nut dimensions, direction of opening, Pumper nozzle size, Nozzle threads and finished color. Approx. weight for a hydrant with 2.5' bury depth is 300 lbs. Add or subtract approx. 40 lbs. for each 6" longer or shorter.

- Options:**
- 4" Flanged End to ANSI B16.1-1975 class 125
 - 6" Flanged End to ANSI B16.1-1975 class 125
 - 4" Mechanical Joint End
 - 6" Mechanical Joint End
 - 6" Push-on Joint End

ATTACHMENT 5

From: Orlando Figueroa
To: Alexander, Cheri
Date: 8/27/02 8:30AM
Subject: Ferguson Underground

Please prepare a Blue Sheet to approve the award of formal request for quotation for underground materials and supplies, annual purchases for the Lee County Utilities Division, to the low quoter meeting specifications, **Ferguson Underground**, for the purchase and delivery of items as listed on Lee County Utilities lists.

Anticipated expenditures are estimated at \$750,000 annually.

Funding will come from the individual Business Unit or Department's budget whom will be responsible for monitoring their individual expenditures.

Orlando Figueroa
Utilities Fiscal Manager
ofigueroa@leegov.com
PH: 941/479-8147
FX: 941/479-8176

CORCEL CORP. **ATTACHMENT 6**

Miami Office:
2461 N.W. 23rd St.
Miami, FL 33142
Tel (305) 636-1880

FAX (305) 636-1897 Internet - corcelcorp@aol.com
Mailing: 925 Alhambra Circle, Coral Gables, FL 33134

Jacksonville Office:
4720 Salisbury Road
Jacksonville, FL 32256
Tel (904) 493-6045

To: Purchasing Director, LEE COUNTY

From: Ray Corona

Date: August 28, 2002

Ref: Formal Quotation No.: Q-020081 Water, Sewer & Irrigation Materials, Annual For Utilities

"Notice of Intent To File A Protest"

NOTE THIS NOTICE IS BEING FILED ON DIFFERENT GROUNDS THAN OUR NOTICE OF INTENT TO FILE A PROTEST WHICH WAS DATED AUGUST 27, 2002 AND WITHDRAWN EARLIER TODAY, AUGUST 28, 2002

Pursuant to the referenced bid's General Conditions Section 10 Page 4 "*Lee County Protest Procedure*" we herewith timely file this Notice of Intent To File A Protest. The remedy we are requesting is a re-bid of the contract to permit open competition.

GROUND'S CLAIMED FOR PROTEST:

- 1) We have been informed via fax at 4:37 PM of August 27, 2002 the County's intent to award apparently all "Sections" of the referenced bid to firm FERGUSON WATERWORKS on the grounds they were "*the low quoter meeting specifications.*"
- 2) This is a 5 (five) year contract with an option to renew for an additional 5 (five) years. For all practical purposes it is a 10 (ten) year contract. We have serviced many contracts over the years in Florida. On every single one of the contracts where we have participated when there was an opportunity to renew this option was exercised every single time.
- 3) There was no competition. Only one bidder was able to present a timely bid. The majority of the bidders, including giant HUGHES SUPPLY and our small but very competitive firm were unable to present a timely bid. US FILTER the other giant in the industry - usually very competitive - did not even participate at all, clearly for the same reasons noted above. Corcel only had time to bid a few of the Sections - with adequate time we would have low bided other sections. Clearly there was a lack of competition as a result of short notice, complicated bid documents, and many last minute changes.
- 4) Exorbitant pricing by the one and only single bidder that was able to present a timely acceptable bid. We noted before how the gate valve prices were substantially higher than Corcel's. FERGUSON's fire hydrant prices were also much higher than Corcel and much higher than what they themselves (FERGUSON) has very recently bid to other Florida municipalities.

A comment was made apparently questioning whether the material we offered for Sections 8 was approved by Lee County. Your "Manual" as the manuals for every other municipality in Florida that we know of accepts "equal" products. The products we offered have been judged "equal" or exceeding specifications by practically every municipality in Florida and elsewhere. Over-and-above this, the materials of HUGHES, US FILTER and the many other distribution houses that generally participate on bids of this type in your area also have "approved" goods.

Respectfully,



cc: R. R. Corona, Esq. Attorney at Law

Cheri Alexander, C.P.M., CPPB, Purchasing Agent - Lee County

CORCEL CORP. ATTACHMENT 7

Miami Office:
2481 N.W. 23rd St.
Miami, FL 33142
Tel (305) 836-1880

FAX (305) 836-1897 Internet - corcelcorp@aol.com
Mailing: 925 Alhambra Circle, Coral Gables, FL 33134

Jacksonville Office:
4720 Salisbury Road
Jacksonville, FL 32256
Tel (904) 493-8045

September 9, 2002

Lee County Board of County Commissioners
Purchasing Director / Purchasing Agent - Cheri Alexander
3434 Hancock Bridge PKWY, 3rd Floor
Fort Myers, FL 33902-0398

"Formal Written Protest"

(FAXED August 9, 2002 Followed-up by FEDEX September 9, 2002)

Pursuant to the referenced bid's General Conditions Section 10 Pages 4-6 "*Lee County Protest Procedure*" we herewith timely file this Formal Written Protest.

- ✓ County bid identification number and title.
Formal Quotation No.: Q-020081 Water, Sewer & Irrigation Materials, Annual For Utilities
- ✓ Name and address of the affected party, and the title or position of the person submitting the Protest.
Corcel Corp.
925 Alhambra Circle
Coral Gables, FL 33134
Ray Corona, Manager
- ✓ There are no disputed issues of material fact.
- ✓ Statement of facts alleged, and of the rules, regulations, statutes, etc., which entitle the affected party to relief. Also information in support of the grounds for the Protest:
 - 1) We have been informed via fax at 4:37 PM of August 27, 2002 the County's intent to award apparently all "*Sections*" of the referenced bid to firm FERGUSON WATERWORKS on the grounds they were "*the low quoter meeting specifications.*"
 - 2) This is a 5 (five) year contract with an option to renew for an additional 5 (five) years. We have serviced many contracts over the years in Florida. On every single one of the contracts where we have participated when there was an opportunity to renew this option was exercised every single time. For all practical purposes this is a 10 (ten) year contract. Most contracts in Florida are for one or two-year terms.
 - 3) We submit that there are good reasons why practically no one in Florida or anywhere else tie-up their municipality for such a long period of time. It is not in the best interest of the County to restrict competition and possibly be stuck with a contract for a minimum of five years and likely as long as 10 years. This bid's General Conditions 1 i. Gives the County the right "*to reject any or all quotes with or without cause. . . that in its judgment will be in the best interest of the County of Lee.*"

(continued)

ZC

September 9, 2002

To: Lee County Board of County Commissioners
Purchasing Director / Purchasing Agent - Cheri Alexander
From: Corcel Corp. Ref: "Formal Written Protest"

- 4) There was no competition. Only one bidder was able to present a timely bid. The majority of the bidders, including giant HUGHES SUPPLY and our small but very competitive firm were unable to present a timely bid. US FILTER the other giant in the industry - usually very competitive - did not even participate at all, clearly for the same reasons noted above. Corcel only had time to bid a few of the Sections - with adequate time we would have low bided other sections. Clearly there was a lack of competition as a result of short notice, complicated bid documents, and many last minute changes.
 - 5) Exorbitant pricing by the one and only single bidder that was able to present a timely acceptable bid. FERGUSON's gate valve and fire hydrant prices were substantially higher than the prices of Corcel for those items. To be sure Corcel can supply and deliver the fire hydrants of AVK and/or other first class manufacturers.
- ✓ Statement Indicating the relief sought by Corcel Corp.:
Corcel seeks a re-bid of the Sections it bided, namely Section 8, Section 10 and Section 14. Corcel's bid was for \$13,536.80. Attached is copy of wire transfer confirmation in evidence of today's wire transfer from our bank to Lee County in the amount of \$676.84 representing 5% of our total bid. We note that although it is not the relief we formally seek here, clearly it is in the best interest of the County and we suggest you re-bid this entire solicitation.

Respectfully,


Ray Corona, Manager

APPLICATION FOR MONEY TRANSFER

Wire No.: 01-508351

Transfer by: Mail Airmail Wire Execution Date: 9/9/2002

Request Type: Person Letter Phone

Payment Via: Check Debit memo Other

Customer Name (Originator) **CORCEL CORP** Account Number (Originator) **75469**

Name of Beneficiary **LEE COUNTY BOCC/POOLED CASH** Account Number of Beneficiary **2090003056111**

Street Address of Beneficiary City, State, Zip Code or Country
2201 SECOND ST FORT MYERS, FLORIDA

Beneficiary Financial Institution Name, City, State & Routing Number
FIRST UNION NAT. BANK ABA # 063000021 FIRSTUNIONJAX

Payment Instructions
REF. BOND PROTEST

Amount of Wire or Draft **8676.84**

Cost of Wire or Postage **20.00**

Service Charge _____

Total **696.84**

Disposition of Funds: _____

This Bank assumes no responsibility for delays or errors in the execution of any telegraphic transfer after the message has been delivered to the FED or our Correspondent Bank, nor for any errors, delays, claims or damages occasioned by the fault or neglect of its correspondent through whose hands any transfer may pass. When signed customer agrees to the terms and conditions stated in reverse of form.

AS PER AGREEMENT IN FILE AND ATTACHED LETTER

Customer Authorization: _____

Authorized by: *[Signature]*

Reviewed for OFAC Compliance by: _____

Computer input by: _____

CORCEL CORP.

Miami Office:
2481 N.W. 23rd St.
Miami, FL 33142
Tel (305) 636-1880

FAX (305) 636-1897 Internet – corcelcorp@aol.com
Mailing: 925 Alhambra Circle, Coral Gables, FL 33134

Jacksonville Office:
4720 Salisbury Road
Jacksonville, FL 32256
Tel (904) 493-8045

September 9, 2002

Lee County Board of County Commissioners
Purchasing Director / Purchasing Agent - Cheri Alexander
3434 Hancock Bridge PKWY, 3rd Floor
Fort Myers, FL 33902-0398

"Formal Written Protest"

(FAXED August 9, 2002 Followed-up by FEDEX September 9, 2002)

Pursuant to the referenced bid's General Conditions Section 10 Pages 4-6 "*Lee County Protest Procedure*" we herewith timely file this Formal Written Protest.

- ✓ County bid identification number and title.
Formal Quotation No.: Q-020081 Water, Sewer & Irrigation Materials, Annual For Utilities
- ✓ Name and address of the affected party, and the title or position of the person submitting the Protest
Corcel Corp.
925 Alhambra Circle
Coral Gables, FL 33134
Ray Corona, Manager
- ✓ There are no disputed issues of material fact.
- ✓ Statement of facts alleged, and of the rules, regulations, statutes, etc., which entitle the affected party to relief. Also information in support of the grounds for the Protest:
 - 1) We have been informed via fax at 4:37 PM of August 27, 2002 the County's intent to award apparently all "*Sections*" of the referenced bid to firm FERGUSON WATERWORKS on the grounds they were "*the low quoter meeting specifications.*"
 - 2) This is a 5 (five) year contract with an option to renew for an additional 5 (five) years. We have serviced many contracts over the years in Florida. On every single one of the contracts where we have participated when there was an opportunity to renew this option was exercised every single time. For all practical purposes this is a 10 (ten) year contract. Most contracts in Florida are for one or two-year terms.
 - 3) We submit that there are good reasons why practically no one in Florida or anywhere else tie-up their municipality for such a long period of time. It is not in the best interest of the County to restrict competition and possibly be stuck with a contract for a minimum of five years and likely as long as 10 years. This bid's General Conditions 1 i. Gives the County the right "to reject any or all quotes with or without cause. . . that in its judgment will be in the best interest of the County of Lee."

(continued)

zc

September 9, 2002

To: Lee County Board of County Commissioners
Purchasing Director / Purchasing Agent - Cheri Alexander
From: Corcel Corp. Ref: "Formal Written Protest"

- 4) There was no competition. Only one bidder was able to present a timely bid. The majority of the bidders, including giant HUGHES SUPPLY and our small but very competitive firm were unable to present a timely bid. US FILTER the other giant in the industry - usually very competitive - did not even participate at all, clearly for the same reasons noted above. Corcel only had time to bid a few of the Sections - with adequate time we would have low bided other sections. Clearly there was a lack of competition as a result of short notice, complicated bid documents, and many last minute changes.
- 5) Exorbitant pricing by the one and only single bidder that was able to present a timely acceptable bid. FERGUSON's gate valve and fire hydrant prices were substantially higher than the prices of Corcel for those items. To be sure Corcel can supply and deliver the fire hydrants of AVK and/or other first class manufacturers.

✓ Statement Indicating the relief sought by Corcel Corp.:

Corcel seeks a re-bid of the Sections it bided, namely Section 8, Section 10 and Section 14. Corcel's bid was for \$13,536.80. Attached is copy of wire transfer confirmation in evidence of today's wire transfer from our bank to Lee County in the amount of \$676.84 representing 5% of our total bid. We note that although it is not the relief we formally seek here, clearly it is in the best interest of the County and we suggest you re-bid this entire solicitation.

Respectfully,


Ray Corona, Manager

CONTINENTAL BANK INT'L.

APPLICATION FOR MONEY TRANSFER

Wire No.: 01-508351

Execution Date: 9/9/2002

Transfer by: Mail Airmail Wire
 Request Type: Person Letter Phone
 Payment Via: Check Debit memo Other

Customer Name (Originator) _____ Account Number (Originator) 75469

Name of Beneficiary CORCEL CORP _____ Account Number of Beneficiary 2090003056111
 LEE COUNTY BOCC/POOLED CASH

Street Address of Beneficiary City, State, Zip Code or Country
 2201 SECOND ST FORT MYERS, FLORIDA

Beneficiary Financial Institution Name, City, State & Routing Number
 FIRST UNION NAT. BANK ABA # 063000021 FIRSTUNIONJAX

Payment Instructions
 REV. BOND PROTECT

Amount of Wire or Draft \$676.84
 Cost of Wire or Postage 20.00
 Service Charge _____
 Total 696.84
 Disposition of Funds: _____

This Bank assumes no responsibility for delays or errors in the execution of any telegraphic transfer after the message has been delivered to the FED or our Correspondent Bank, nor for any errors, omissions, claims or damages occasioned by the fault or neglect of its correspondent through whose hands any transfer may pass. When signed customer agrees to the terms and conditions stated in reverse of form.

AS PER AGREEMENT IN FILE AND ATTACHED LETTER

Customer Authorization: _____
 Authorized by: *[Signature]*
 Reviewed for OFAC Compliance by: _____
 Computer input by: _____

TIMELINE:
Q-020081 Water, Sewer & Irrigation Materials

Inquiries sent: 136

Specifications sent: 46

Packages received: 4 (plus 10 no bids)

2.14.02 PRE-SPEC MEETING on Thursday, February 14, 2002

7.17.02 NTQ'S postcards and packages mailed

8.1.02 PRE-BID CONFERENCE: 6 Attendees - Ferguson Waterworks (2), LCU (4) on Thursday, Aug. 1, 2002

8.6.02 ADDENDUM NUMBER ONE ISSUED TUESDAY, AUGUST 6, 2002

8.13.02 BID OPENING: 1 Attendee - Ferguson Waterworks on Tuesday, Aug. 13, 2002

8.27.02 NOTICE OF INTENT TO AWARD (to Ferguson) - FAXED TO VENDORS on Tuesday, August 27th
 3RD WORKING DAY WOULD BE 4 PM, FRIDAY AUGUST 30, 2002

8.28.02 8:06 A.M., RECEIVED CORCEL'S LETTER OF "NOTICE OF INTENT TO FILE A PROTEST" – First one
 (WITHIN THE 72 HR.)

Grounds:

1. Sections
2. Basis Of Award
3. Lower Price
4. Avk Valves
5. Firm Certified, Etc. Other Co/Cities Use

8.28.02 Spoke W/Vendor, Advised that Addendum, Attachment B-1 Was Not Received

8.28.02 **Corcel withdrew protest via fax**

8.28.02 13:43 p.m., CORCEL FAXED ANOTHER LETTER – NOTICE OF INTENT TO FILE A PROTEST" – Second one

Grounds:

1. Award - Sections
2. 10 Year Contract
3. No Competition
4. 'Exorbitant Pricing'

FORMAL WRITTEN PROTEST within 10 calendar days after the time for filing of Notice of Intent to File a Protest (post a bond equal to 5% or \$10m, whichever is less or Letter of Credit

8.29.02 Meeting with Rick Diaz, Jim Balmer, Janet & myself

8.30.02 Faxed letters to vendors advising them of receipt of protest faxed from Corcel, project on hold

- CALENDAR DAYS MAKES IT MONDAY, SEPTEMBER 9TH, 2002 5:00 PM

- HEARING – WITHIN 7 WORKING DAYS (BY SEPTEMBER 18, 2002)

9.9.02 (9:01 A.M.) Received phone call from Ray Corona, requested wire transfer procedures; faxed and e-mailed to Corcel
 (12:52 P.M.) Received Formal Written Protest

9.10.02 Meeting 2:30 with County Atty, dept. staff; schedule Dispute Committee, and hearing on 9.17 @ 3 p.m. As requested by Corcel, rescheduled hearing to 9.25 @ 1:30 p.m.

9.11.02 Faxed Letters to Ferguson and Corcel re: Hearing, Dispute Committee date

9.11.02 Per Jill/Finance, they received funds from Corcel in the amount of \$676.84 on September 9th (Wire transfer posting date, 9.9.02, and time of 11:50 a.m.)

Jill will check back with me at the end of October to see if these funds will be claimed by the Board, or returned to vendor.

9.25.02 1:30 p.m., Hearing, informal; Dispute Committee upheld staff recommendation

MEMORANDUM 9


MEMORANDUM
FROM THE
OFFICE OF COUNTY ATTORNEY

02 SEP 19 PM 1:22

DATE: September 18, 2002

To: Distribution

FROM:



Kristie Kroslack
Assistant County Attorney

RE: **Procedures and Legal Issues for RFQ Q-020081
Water, Sewer & Irrigation Materials, Annual for Utilities**

I am providing this memorandum as general guidance for the above, to be conducted beginning at 1:30 p.m. on Wednesday, September 25, 2002.

The County's Bid Protest meeting is of an informal hearing nature, providing an opportunity for all affected parties to present their positions to the Dispute Committee, relative to the Protest. A suggested time period for the presentations is:

Ten (10) minutes for the primary presentation ("Case in Chief") and
Five (5) minutes for rebuttal.

The order of presentation will be:

Corcel Corporation, Protestor, represented by Ray Corona, Esq.

Ferguson Waterworks, Recommended Vendor

Each party will have an opportunity for short rebuttal at the end of all of the initial presentations, in turn. At the conclusion of the parties' presentations and rebuttal, the matter will go to the Committee members for discussion, deliberation, and motions. Any time during the presentations, rebuttal and discussions of the Committee, the Committee members may ask questions of the parties and their representatives, their counsel, the County Selection Committee members, the County Attorney, or other County staff.

The general motions that may be made by the Dispute Committee are:

1. Accept the Selection Committee's recommendation for award, and deny the protest.

Re: Procedures for RFQ Q-020081

2. Overturn the Selection Committee's recommendation, and accept the Protest and recommend partial award to the Protestor.
3. Reject all bids if facts warrant, and recommend that the RFQ be put back out for re-pricing.

The Committee will then direct its decision to the Board of County Commissioners for a hearing at a regular Board of County Commissioners' meeting.

FACTS-

On July 17, 2002 bid specification packages for RFQ Q-020081 (water, sewer and irrigation materials for utilities) were mailed to interested bidders. On August 6, 2002, Addendum #1 was issued which required vendors to complete form "B-1" instead of "B" and submit it with their bid packet. The following four vendors submitted quotations: Ferguson Waterworks, Hughes Supply, Inc., Penn Troy Manufacturing and Corcel Corporation. On August 13, 2002, the four (4) sealed quotations were opened and examined. Two (2) of the vendors, Ferguson Waterworks and Penn Troy, submitted the proper form, "B-1", in their bid packet. Hughes Supply and Corcel submitted form "B" in their packets. The failure of Hughes Supply and Corcel to submit the proper form, "B-1", caused their bids to be considered non-responsive and to be rejected.

The Selection Committee recommended award of the contract to Ferguson Waterworks ("Ferguson"), whose bid conformed to the technical specifications and who was the lowest, responsive bidder in several categories of items.

On September 9, 2002, Corcel Corporation ("Corcel"), an unsuccessful bidder in the contract for water, sewer and irrigation materials for utilities, filed a formal written protest contesting the intent to award to Ferguson.

In its protest, Corcel Corporation raises the following four (4) issues:

- (1) That the term of the quotation, which is five years with the possibility for an additional 5 year renewal, restricts competition;
- (2) That the following General Condition, found on page 3 of the bid specifications, restricts competition: "the County reserves the right to waive minor informalities in any quote; to reject any or all quotes with or without cause; and/or to accept the quote that in its judgment will be in the best interest of the County of Lee."

Re: Procedures for RFQ Q-020081

- (3) That Corcel did not have "adequate time" to complete the required forms in the bid package.
- (4) That Corcel's bid on the gate valves and hydrants was lower than Ferguson's bid on those items.

At the onset, it should be noted that the first three (3) claims raised by Corcel are meritless and do not relate to whether or not the Selection Committee abused its discretion in rejecting Corcel's bid, which is the intent of a bid protest. Instead, Corcel alleges that the County's procurement procedures "restricts competition" or are illegal and, as a result, Corcel should be given a second chance to bid. In short, Corcel seeks to shift the focus of the bid protest process away from its bid and to the County's procurement process, in an attempt to re-bid.

CORCEL'S CLAIMS

(1) With respect to Corcel's first claim, that the term of the quotation (five years with the possibility for an additional 5 year renewal) "restricts competition", this claim is not properly brought in the forum of a bid protest hearing as it is not related to the Selection Committee's decision to reject Corcel's bid.

It is interesting to note, however, that *if* Corcel was the recipient of the five year contract, this claim would not likely be made. Corcel, while competing for this five year contract, cannot complain after its bid is rejected, that the term of the contract is too long. As such, Corcel's first claim is without legal merit.

(2) With respect to its second claim, Corcel contends that the following General Condition, contained in the bid specifications, restricts competition:

"the County reserves the right to waive minor informalities in any quote; to reject any or all quotes with or without cause; and/or to accept the quote that in its judgment will be in the best interest of the County of Lee."

Again, a bid protest hearing is not the proper forum for this type of claim as it is not related to the Selection Committee's decision to reject Corcel's bid. The only issue to be resolved during this protest is whether or not the Selection Committee abused its discretion in rejecting Corcel's bid.

In short, the answer is no. Corcel's bid was rejected "for cause" since Corcel was non-responsive by failing to include a material portion of the bid package, Price Form "B-1" in its submittal. Instead of including "B-1" (containing prices for 21 gate valves), Corcel included form "B" (which only contained prices for 16 gate valves).

Re: Procedures for RFQ Q-020081

Florida case law supports the Committee's position:

"The agency shall reserve the right to waive any minor irregularities in an otherwise valid bid/proposal. A minor irregularity is a variation from the invitation to bid/request for proposal terms and conditions which does not affect the price of the bid/proposal, or give the bidder or offer or an advantage or benefit not enjoyed by other bidders or does not adversely impact the interest of the agency. Variations which are not minor cannot be waived." Mercedes Lighting v. Dept. of Gen.Serv. 560 So.2d 272 (Fla. 1st DCA 1990).

Here, the variance was material and not waivable. Corcel's failure to complete and submit the proper form, caused its price for gate valves to be lower than Ferguson's price. As such, Corcel's bid was rejected as being non-responsive and its second claim is equally without legal merit.

(3) In its third claim, Corcel contends that it did not have "adequate time" to complete the required forms in the bid package. Looking to the specific facts, on July 17, 2002 bid specification packages for RFQ Q-020081 (water, sewer and irrigation materials for utilities) were mailed to interested bidders. Twenty-seven (27) days later, on August 13, 2002, the four (4) sealed quotations were opened and examined.

Ferguson, the selected vendor, and the other bidder's have made no complaints about the timing for pricing the quote or that the 27 days to submit the required forms was not enough. In fact, Ferguson's bid packet was timely completed and included all of the required forms and documents. As such, it can be reasonably assumed that Ferguson found "adequate time" to read the bid specifications, attend the pre-bid conference and to complete the proper forms.

Furthermore, "lack of adequate time" is not a legal defense for a bidder who failed to submit a material document, i.e. form, "B-1", and can be found to be non-responsive.

(4) With regard to its final claim, Corcel alleges that its bid on the gate valves and hydrants was lower than Ferguson's bid on those items. Therefore, it should have been awarded a portion of the contract.

First, Corcel's bid was unresponsive and properly rejected. Secondly, Corcel's bid on the hydrants was \$5,733.30 which was higher than Ferguson's bid of \$3,245.00. Lastly, it would be impractical to divide the contract in such a way between the two vendors, where Ferguson is based in Fort Myers and Corcel is based in Miami.

Re: Procedures for RFQ Q-020081

CONCLUSION-

Corcel raises several claims in its Formal Written Protest which are not properly brought in a bid protest hearing, i.e. restricts competition, not enough time, contract too long, etc.. The only issue which may be properly considered in a bid protest is *whether the County abused its discretion in rejecting Corcel's bid.*

The burden is on the party protesting the award of the bid to establish a ground for invalidating the award...the standard of proof for such proceedings shall be whether the proposed agency action was clearly erroneous, contrary to competition, arbitrary, or capricious. State Contracting v. Dept. of Transp., 709 So.2d 607 (Fla. 1st DCA 1998).

A public body has wide discretion in soliciting and accepting bids for public improvements and its decision, when based on an honest exercise of this discretion, will not be overturned by a court even if it may appear erroneous and even if reasonable persons may disagree. Overstreet Paving v. Dept. of Transportation, 608 So.2d 851 (Fla. 2d DCA 1992).

Looking to the specific facts in this situation, Corcel's bid was non-responsive in failing to include the necessary forms (B-1) for an adequate price comparison. Therefore, the County's Selection Committee selected the lowest, responsive bidder it believed best represented the best interests of the community, and a local vendor, Ferguson. As such, there has been no showing by Corcel that the County abused its discretion in rejecting Corcel's bid or that the Selection Committee's recommendation to award the contract to Ferguson was contrary to the competitive process.

Finally, the relief sought by Corcel, a "re-bid" of the contract, violates the concept of fairness and equality in bidding. Corcel was not the lowest responsive bidder and it shouldn't have a second chance to work his numbers. The "entire scheme of bidding on public projects is to insure the sanctity of the competitive atmosphere prior to and after the actual letting of the contract." Harry Pepper & Assoc. v. City of Cape Coral, 352 So.2d 1190 (Fla. 2d DCA 1977). To allow a re-bid at this time and under these circumstances would invalidate the scheme and sanctity of the bidding process.

I hope this will be of some assistance to you on September 25, 2002.

KLK/klk

Distribution: Board of County Commissioners (Courtesy Copy)
James G. Yaeger, County Attorney

Distribution
September 18, 2002
Page 6

Re: Procedures for RFQ Q-020081

David Owen, Chief Assistant County Attorney
Donald D. Stilwell, County Manager
Dispute Committee Members - Emma Wolf, Janet Sheehan, Richard Beck
Ferguson Waterworks
Ray Corona, Esq. for Corcel, Inc.
Rick Diaz, Utilities Director
James Balmer, Detar
Cheri Alexander, Purchasing

10

CORCEL CORP.

Miami Office:
2461 N.W. 23rd St.
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4720 Salisbury Road
Jacksonville, FL 32258
Tel (904) 493-8045

FAX MESSAGE

To: Kristie L. Kroslock Esq. - Asst. County Attorney, Lee County

From: Ray Corona

Date: September 26, 2002

Ref: Bid Protest for Formal Quotation No. Q-020081 Water, Sewer & Irrigation Materials Annual For Utilities

Please accept this fax as confirmation of our withdrawal of our "Bid Protest" to the referenced project contingent on your return to us of the full bid bond amount we placed in surety of our protest.¹

Corcel is currently servicing a contract with the City of Fort Myers, so we have independent reason to visit your fair city and bring matters, which may be of mutual interest to the County and Corcel to the attention of the proper individuals through more felicitous channels.

With the above in mind, if possible I would appreciate you letting us know the date and time when the award consideration for the referenced contract will be entertained by your Board of County Commissioners and any other details you think may be pertinent vis-à-vis procedure.

I take this opportunity to sincerely thank you for the constructive and professional fashion you have conducted your dealings with our firm.

Regards,



¹ If possible you may mail us your check to our mailing address, Corcel Corp., 925 Alhambra Circle, Coral Gables, FL 33134