



# CITY OF LAS VEGAS

1700 N. GRAND AVE. • LAS VEGAS , NEW MEXICO 87701-4731 • 505-454-1401 • FAX 505-425-7335

**ALFONSO E. ORTIZ, JR.**

Mayor

**CITY OF LAS VEGAS  
WORK SESSION CITY COUNCIL AGENDA  
March 11, 2015–Wednesday– 5:30 p.m.  
City Council Chambers  
1700 N. Grand Ave**

*(The City Council shall act as the Housing Authority Board of Commissioners on any matters on the Agenda concerning the Housing Department.)*

- I. **CALL TO ORDER**
- II. **ROLL CALL**
- III. **PLEDGE OF ALLEGIANCE**
- IV. **MOMENT OF SILENCE**
- V. **APPROVAL OF AGENDA**
- VI. **MAYOR'S APPOINTMENTS/REPORTS**
- VII. **MAYOR'S RECOGNITIONS/PROCLAMATIONS**
- VIII. **PUBLIC INPUT (not to exceed 3 minutes per person)**
- IX. **CITY MANAGER'S INFORMATIONAL REPORT**
- X. **PRESENTATIONS (Not to exceed 10 minutes per person)**
  - Presentation by Vanessa Marquez, Water Conservation Specialist on the Fix-A-Leak Fair she will be conducting at the Recreation Center on March 19, 2015.
- XI. **DISCUSSION ITEMS**
  1. Recommendation by Lodgers Tax Advisory Board to fund qualified applicants responding to Request for Proposals (RFP #2015-19 for promotional funding of special events in fiscal year 2014-15.

**Lindsey Valdez, Community Development Director** Request for Proposals #2015-19 for promotional funding of Special Events was reviewed by the Lodgers Tax Advisory Board (LTAB) on 2-17-15. Total funding requested is \$107,750.00. LTAB is recommending funding approval in the amount of \$70,570.00.

2. Resolution #15-13 Budget Adjustment Resolution.

**Ann Marie Gallegos, Finance Director** The City of Las Vegas is in need of increasing or decreasing the FY 2015 budgeted revenues or expenditures, transfers to or transfers from within various funds.

3. Acceptance of E911 Grant from the Department of Finance Administration to upgrade the City's 911 system.

**Juan Montano, Police Chief** The Las Vegas Police Department will receive a grant from the Department of Finance E911, to support 911 answering services. At this time the City is asking approval for DFA E911 to provide the Las Vegas Police Department pass through grant funds for the 911 upgrade in the amount of \$319,555.00.

4. Memorandum of Agreement between the San Miguel DWI Planning Council and the Las Vegas City Police Department.

**Juan Montano, Police Chief** Memorandum of Agreement for the Las Vegas City police to conduct DWI operations reimbursable through Local DWI grant funds.

5. Grant application for Law Enforcement Protection Fund.

**Juan Montano, Police Chief** Application for funds to purchase equipment and advanced training for officers and payment to NMFA for police vehicles that were previously purchased.

6. Award bid #2015-22 for North Grand Effluent Project Material.

**Ken Garcia, Utilities Director** The Water Division went out for competitive sealed bids for materials to complete the North Grand effluent project. The purchase of these materials will allow for completion of the project. The Utilities Department would like to award selected items to all 3 bidders.

7. Recommended preferred alternative to ensure Peterson Dam meets the New Mexico Office of the State Engineer's dam safety requirements.

*Ken Garcia, Utilities Director* URS Corporation (AECOM) prepared and evaluated several alternatives to rehabilitate Dam to meet New Mexico Office of the State Engineers dam safety requirements.

8. Appointment of Mayor Pro Tem as per the City of Las Vegas Municipal Charter, Article III, Section 3.03 Mayor Pro Tempore and designating the month of April each year as the effective date.

*Mayor Alfonso E. Ortiz, Jr.* The City of Las Vegas Municipal Charter states that the Mayor Pro Tem shall serve a one (1) year term. In past years, the Mayor Pro Tem has been appointed during different months. The City Clerk recommends that the month of April be designated each year for the appointment of Mayor Pro Tem so that during election years, the newly elected Mayor and Council may elect from its membership a Mayor Pro Tem to assume the role of Mayor during the temporary absence or disability of the Mayor.

## **XII. EXECUTIVE SESSION**

**THE COUNCIL MAY CONVENE INTO EXECUTIVE SESSION IF SUBJECT MATTER OF ISSUES ARE EXEMPT FROM THE OPEN MEETINGS REQUIREMENT UNDER § (H) OF THE OPEN MEETINGS ACT.**

- A. Personnel matters, as permitted by Section 10-15-1 (H) (2) of the New Mexico Open Meetings Act, NMSA 1978.**
- B. Matters subject to the attorney client privilege pertaining to threatened or pending litigation in which the City of Las Vegas is or may become a participant, as permitted by Section 10-15-1 (H) (7) of the New Mexico Open Meetings Act, NMSA 1978.**
- C. Matters pertaining to the discussion of the sale and acquisition of real property, as permitted by Section 10-15-1 (H) (8) of the Open Meetings Act, NMSA 1978.**

## **XIII. ADJOURN**

**ATTENTION PERSONS WITH DISABILITIES:** The meeting room and facilities are accessible to persons with mobility disabilities. If you plan to attend the meeting and will need an auxiliary aid or service, please contact the City Clerk's Office prior to the meeting so that arrangements may be made.

**ATTENTION PERSONS ATTENDING COUNCIL MEETING:** By entering the City Chambers, you consent to photography, audio recording, video recording and its/their use for inclusion on the City of Las Vegas Web-site, and to be televised on Comcast.

**NOTE:** A final agenda will be posted 72 hours prior to the meeting. Copies of the Agenda may be obtained from City Hall, Office of the City Clerk, 1700 N. Grand Avenue, Las Vegas, N.M 87701

## Work Session

### CITY COUNCIL MEETING AGENDA REQUEST

DATE: 2/27/15

DEPT: Community Development

MEETING DATE: 3/11/15

#### **DISCUSSION ITEM/TOPIC:**

Recommendation by Lodgers Tax Advisory Board to fund qualified applicants responding to Request for Proposals (RFP) #2015-19 for promotional funding of special events in fiscal year 2014-15.

#### **BACKGROUND/RATIONALE:**

Request for Proposals (RFP) #2015-19 for promotional funding of Special Events was reviewed by the Lodgers Tax Advisory Board (LTAB) on 02-17-15. Total funding requested is \$107,750.00. LTAB is recommending funding approval in the amount of \$70,570.00. (See Appendix A)

**THIS REQUEST FORM MUST BE SUBMITTED TO THE CITY CLERK'S OFFICE NO LATER THAN 5:00 P.M. ON FRIDAY ONE AND A HALF WEEKS PRIOR TO THE CITY COUNCIL MEETING.**

  
SUBMITTER'S SIGNATURE

REVIEWED AND APPROVED BY:

  
\_\_\_\_\_  
ALFONSO E. ORTIZ, JR.  
MAYOR

  
\_\_\_\_\_  
ELMER J. MARTINEZ  
CITY MANAGER

\_\_\_\_\_  
ANN MARIE GALLEGOS  
FINANCE DIRECTOR  
(PROCUREMENT)

\_\_\_\_\_  
PURCHASING AGENT  
(FOR BID/RFP AWARD)

\_\_\_\_\_  
DAVE ROMERO  
CITY ATTORNEY  
(ALL CONTRACTS MUST BE  
REVIEWED)

Appendix A				
<b>RFP #2015-19 Special Events Lodgers Tax</b>				
<b>Lodgers Tax Advisory Board (LTAB) Funding Recommendations</b>				
<i>Category</i>	<i>Entity</i>	<i>Event</i>	<i>Amount Requested</i>	<i>LTAB Recommendation</i>
Event	Citizens Committee for Historic Preservation	Las Vegas Cowboys Reunion	\$5,000.00	\$5,000.00
Event	Citizens Committee for Historic Preservation	Las Vegas Garden Tour	\$1,000.00	\$0.00
Event	Citizens Committee for Historic Preservation	Musicians Reunited	\$2,500.00	\$0.00
Event	City of Las Vegas	Las Vegas Fiestas	\$10,000.00	\$10,000.00
Event	Friends of City of Las Vegas Museum	Reunion Public Forum	\$4,000.00	\$0.00
Event	Las Vegas Arts Council	People's Faire	\$1,000.00	\$1,000.00
Event	Mainstreet de Las Vegas	Meadow City Music Festival	\$4,000.00	\$1,000.00
Event	Mainstreet de Las Vegas	Fred Heads (Harvey Girls)	\$2,500.00	\$0.00
Event	Rough Rider Motorcycle Rally	Rough Rider Motorcycle Rally	\$20,000.00	\$20,000.00
		<b>SUBTOTAL:</b>	<b>\$50,000.00</b>	<b>\$37,000.00</b>
Promotion	Citizens Committee for Historic Preservation	Guide - Las Vegas Walking Tour Guide	\$8,500.00	\$8,500.00
Promotion	Citizens Committee for Historic Preservation	Walking Tour - Smart Phone App Dvlpt	\$21,180.00	\$0.00
Promotion	Las Vegas Independent Business Alliance	Billboards - Various	\$4,600.00	\$4,600.00
Promotion	Las Vegas Independent Business Alliance	Visitor Guide	\$10,000.00	\$10,000.00
Promotion	Las Vegas Independent Business Alliance	Billboard - I25	\$13,470.00	\$13,470.00
		<b>SUBTOTAL:</b>	<b>\$57,750.00</b>	<b>\$36,570.00</b>
		<b>TOTAL:</b>	<b>\$107,750.00</b>	<b>\$70,570.00</b>

**CITY OF LAS VEGAS  
PROPOSAL/BID OPENING**

DATE: 20-Jan-2015

OPENING NO.: 2015-19

TIME: 2:00 PM

DEPARTMENT: COMMUNITY DEVELOPMENT

LOCATION: City Council Chambers  
1700 N. Grand Ave.  
Las Vegas, NM 87701

*pg 1 of 2*

ITEM(S): **SPECIAL EVENT - LODGERS TAX, ADVERTISING AND/OR PROMOTING SPECIAL EVENT (S) IN THE LAS VEGAS AREA**

RECEIVED FROM:	AMOUNT	BID + ALT. 1	BID BOND	AFFIDAVIT NOTARIZED	CAMPAIGN DISC. FORM
1 LVCCHP - LV musicians Rewards & 2015				✓	✓
2 LVCCHP - LV Garden Tour				✓	✓
3 LVCCHP - Las Vegas Walking Tour Guide				✓	✓
4 LVCCHP - LV Cowboy Reunion Centennial Celebration '15				✓	✓
5 LVCCHP - Smartphone App for LV Walking Tour Guide				✓	✓
6 Las Vegas Arts Council Peoples Fair 2015				✓	✓

COMPANY REPRESENTATIVE	COMPANY NAME
1 <i>Jane Yaffa-Cordova</i>	CLV - Purchasing
2	
3 <i>Annette Velarde</i>	City of Las Vegas - Events
4	
5	
6	
7	
8	
9	
10	

(use other side of form when full)

ORIGINAL PROPOSALS TAKEN BY: *Jane Yaffa*  
DATE: 1-20-15

OPENED BY: FINANCE DEPARTMENT  
*Jane Yaffa*  
DATE: 1-20-15

COPIES TAKEN BY: *Annette Velarde*  
DATE: \_\_\_\_\_

**CITY OF LAS VEGAS  
PROPOSAL/BID OPENING**

DATE: 20-Jan-2015

OPENING NO.: 2015-19

TIME: 2:00 PM

DEPARTMENT: COMMUNITY DEVELOPMENT

LOCATION: City Council Chambers  
1700 N. Grand Ave.  
Las Vegas, NM 87701

*pg 2 of 2*

ITEM(S): **SPECIAL EVENT - LODGERS TAX, ADVERTISING AND/OR PROMOTING SPECIAL EVENT (S) IN THE LAS VEGAS AREA**

RECEIVED FROM:	AMOUNT	BID + ALT. 1	BID BOND	AFFIDAVIT NOTARIZED	CAMPAIGN DISC. FORM
1 Friends of the CLV Museum La Reunion Public Forum				✓	✓
2 Ranch Rider MC Rally LV 1st IBA Billboard				✓	✓
3 LV 1st IBA Visitor Guide LV 1st IBA Billboard Advert.				✓	✓
4 Mainstreet delV - Fred Heald				✓	✓
5 mainstreet delV - Music Festival				✓	✓
6 CLV - Fourth of July Fiesta				✓	✓

COMPANY REPRESENTATIVE

COMPANY NAME

- 1 \_\_\_\_\_
- 2 \_\_\_\_\_
- 3 \_\_\_\_\_
- 4 \_\_\_\_\_
- 5 \_\_\_\_\_
- 6 \_\_\_\_\_
- 7 \_\_\_\_\_
- 8 \_\_\_\_\_
- 9 \_\_\_\_\_
- 10 \_\_\_\_\_

(use other side of form when full)

ORIGINAL PROPOSALS TAKEN BY:

*Jude Hancock*  
DATE: 1-20-15

OPENED BY: FINANCE DEPARTMENT

DATE: \_\_\_\_\_

COPIES TAKEN BY:

DATE: \_\_\_\_\_

### REQUEST FOR PROPOSALS

The City of Las Vegas, New Mexico will open Sealed Proposals at 2:00 pm. January 20, 2015, at the City Council Chambers, 1700 North Grand Avenue, Las Vegas, New Mexico, or other designated area at the City Offices; ON THE FOLLOING:

SPECIAL EVENT – LODGERS TAX, ADVERTISING AND/OR PROMOTING SPECIAL EVENT (S)  
IN THE LAS VEGAS AREA

Proposal Forms and Specifications may be obtained from the following location:

City of Las Vegas  
1700 North Grand Avenue,  
Las Vegas, New Mexico 87701.

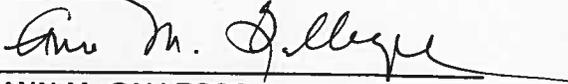
Mailed proposal should be addressed to the City Clerk, 1700 N. Grand Avenue, Las Vegas, New Mexico 87701; with the envelope marked: "Special Events-Lodgers Tax" Opening No. 2015-19; on the lower left-hand corner of the submitted envelope. It shall be the responsibility of the Offeror to see that their proposal is delivered to the **City Clerk** by the date and time set for the proposal request. If the mail or delivery of proposal request is delayed beyond the opening date and time, proposal thus delayed will not be considered. Proposals will be reviewed at a later date with possible negotiations to follow.

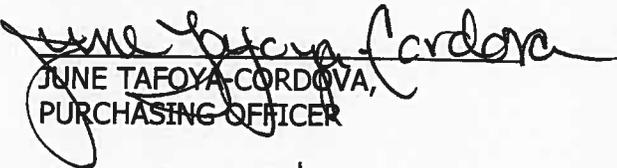
The City of Las Vegas reserves the right to reject any/or all projects submitted.

CITY OF LAS VEGAS

  
ELMER J. MARTINEZ,  
ACTING CITY MANAGER

  
CASANDRA FRESQUEZ,  
CITY CLERK

  
ANN M. GALLEGOS,  
FINANCE DIRECTOR

  
JUNE TAFOYA-CORDOVA,  
PURCHASING OFFICER

Opening No. 2015-19

Date Issued: 12-18-14

Published: LAS VEGAS OPTIC -  
www.lasvegasnm.gov

December 24, 2014



## STANDARD PROPOSAL CLAUSES

### AWARDED PROPOSAL

Awarding of Proposal shall be made to the responsible Offeror whose Proposal best meets the specifications. The City of Las Vegas (City) reserves the right to reject any or all Proposals submitted.

The City of Las Vegas reserves the right to make multiple awards on Professional Services proposals. All contracts shall be presented to the Governing Body for approval.

### TIMETABLE

Proposals pursuant to this request must be received at the City Clerk's Office at 1700 North Grand Avenue, Las Vegas, New Mexico, on or before: January 20, 2015; 2:00 p.m.; at which time all proposals received will be opened. The opening will occur at the City Offices. Awarding of proposal is projected for: February, 2015. The successful offeror will be notified by mail.

### ENVELOPES

Sealed Proposal envelopes shall be clearly marked on the lower left-hand corner, identified by the Proposal name and opening number. Failure to comply with this requirement may result in the rejection of the submitted Proposal.

### BRIBERY AND KICKBACK

The procurement code of New Mexico; (Section 13-1-28 through 13-1-199 N.M.S.A. 1978), impose a third degree felony penalty for bribery of a public official or public employee. In addition, the New Mexico Criminal Statutes (Section 30-4-1 N.M.S.A. 1978), states that it is a third degree felony to commit offense of demanding or receiving a bribe by a public official or public employee. (Section 30-24-2 N.M.S.A. 1978), it is a fourth degree felony to commit the offense of soliciting or receiving illegal kickbacks. In addition, (Section 30-41-1 through 30-41-3 N.M.S.A. 1978), states that it is a fourth degree felony to commit the offense of offering or paying illegal kickbacks.

### RESPONSIBILITY OF OFFEROR

At all times it shall be the responsibility of the Offeror to see that their Proposal is delivered to the City Clerk by the Date and Time scheduled for opening. If the mail or delivery of said proposal is delayed beyond the scheduled opening date and time set proposal thus delayed will not be considered.

### NON-COLLUSION

In signing their Proposal and Affidavit, the offeror certifies that he/she has not, either directly or in directly entered into action of restraint of free competition, in the connection with the submitted Proposal.

CLARIFICATION OF PROPOSAL

Offeror requiring clarification or interpretation of the proposal specifications shall make a written request to the Department involved in this proposal request at least five (5) days prior to the scheduled proposal opening date; with a copy forwarded to the Finance Department. Any interpretations, correction, or changes (not part of the negotiation stage) of said proposal specifications shall be made by "ADDENDUM" only; including any Opening Date or Time Change. Interpretations, corrections, or changes of said proposal made in any other manner (before opening and negotiation stage) will not be binding and offeror shall not rely upon such interpretations, corrections, and changes.

MODIFICATION OR WITHDRAWAL OF PROPOSAL

A Proposal may not be withdrawn or cancelled by the offeror following the scheduled opening date and time; the Offeror does so agree in submitting their Proposal. Prior to the schedule time and date of opening, proposals submitted early may be withdrawn, but may not be re-submitted.

APPLICATION OF PREFERENCE

Pursuant to (Section 13-1-21 and 13-1-22 N.M.S.A. 1978) any New Mexico resident business or resident manufacturer who wishes to receive the benefit of an "Application of Preference" must provide their Certification Number (issued by N.M. State Purchasing) with their proposal on the "OFFEROR INFORMATION/AFFIDAVIT" form.

FEDERAL TAX IDENTIFICATION NUMBER

Pursuant to IRS requirements, Offerors shall provide their Federal Tax ID Number if Offeror is incorporated. If Offeror is a sole proprietorship or partnership, then shall provide their Social Security Number.

FEDERAL TAX ID NUMBER: \_\_\_\_\_

SOCIAL SECURITY NUMBER: \_\_\_\_\_

NEW MEXICO TAX IDENTIFICATION NUMBER

Payment may be withheld under (Section 7-10-5 N.M.S.A. 1978) if you are subject to New Mexico Gross Receipts Tax and have not registered for a New Mexico (CRS) Tax Identification Number, contact the New Mexico Taxation & Revenue Department at (505) 8270700 for registering instructions.

New Mexico (CRS) Tax Identification Number: \_\_\_\_\_

## CAMPAIGN CONTRIBUTION DISCLOSURE FORM

The Bidder shall submit a completed Campaign Contribution Disclosure Form Pursuant to Chapter 81, Laws of 2006.

### SPECIAL NOTICE

Proposal will be opened and all submitted copies will be checked for accuracy of Department's specific amount of copies requested. Any price or other factors of the submitted proposals will not be read out loud to anyone in attendance at the proposal opening. All factors of the submitted proposal are not public record to other offerors or interested parties before the negotiation or awarding process.

The department involved in the proposal request will evaluate all proposals submitted according to the evaluation criteria indicated in the proposal specifications.

### NEGOTIATION

Pursuant to the City of Las Vegas Purchasing rules and regulations (section 6.7) discussions or negotiations may be conducted with a responsible offeror who submits an acceptable or potentially acceptable proposal.

### CONTRACT

When the City issues a Purchase Order in response to an awarded proposal, a binding contract is created, (unless a specific contract has been created).

### TAXES:

Bidder must pay all applicable taxes.

### NOTE:

If bidder is from outside the City of Las Vegas, the successful bidder Must pay Gross Receipts Tax in the City of Las Vegas. Successful bidder will be required to obtain a business license from the City of Las Vegas prior to commencing any project within the City limits.

*In the past, the City of Las Vegas has considered and funded special events as applications were submitted during the fiscal year to the Lodger's Tax Advisory Board. This practice will no longer occur.*

## CAMPAIGN CONTRIBUTION DISCLOSURE FORM

Pursuant to Chapter 81, Laws of 2006, any prospective contractor seeking to enter into a contract with any state agency or local public body must fill this form with that state agency or local public body. The prospective contractor must disclose whether they, a family member or a representative of the prospective contractor has made a campaign contribution to an applicable public official of the state or a local public body during the two years prior to the date on which the contractor submits a proposal or, in the case of a sole source or small purchase contract, the two years prior to the date the contractor signs the contract, if the aggregate total of contributions given by the prospective contractor, a family member or a representative of the prospective contractor to the public official exceeds two hundred and fifty dollars (\$250) over the two year period.

THIS FORM MUST BE FILED BY ANY PROSPECTIVE CONTRACTOR WHETHER OR NOT THEY, THEIR FAMILY MEMBER OR THEIR REPRESENTATIVE HAS MADE ANY CONTRIBUTIONS SUBJECT TO DISCLOSURE.

The following definitions apply:

**"Applicable public official"** means a person elected to an office or a person appointed to complete a term of an elected office, who has the authority to award or influence the award of the contract for which the prospective contractor is submitting a competitive sealed proposal or who has the authority to negotiate a sole source or small purchase contract that may be awarded without submission of a sealed competitive proposal.

**"Campaign Contribution"** means a gift, subscription, loan, advance or deposit of money or other thing of value, including the estimated value of an in-kind contribution, that is made to or received by an applicable public official or any person authorized to raise, collect or expend contributions on that official's behalf for the purpose of electing the official to either statewide or local office. "Campaign Contribution" includes the payment of a debt incurred in an election campaign, but does not include the value of services provided without compensation or unreimbursed travel or other personal expenses of individuals who volunteer a portion or all of their time on behalf of a candidate or political committee, nor does it include the administrative or solicitation expenses of a political committee that are paid by an organization that sponsors the committee.

**"Contract"** means any agreement for the procurement of items of tangible personal property, services, professional services or construction.

**"Family member"** means spouse, father, mother, child, father-in-law, mother-in-law, daughter-in-law or son-in-law.

**"Pendency of the procurement process"** means the time period commencing with the public notice of the request for proposals and ending with the award of the contract or the cancellation of the request for proposals.

**"Person"** means any corporation, partnership, individual, joint venture, association or any other private legal entity.

**"Prospective contractor"** means a person who is subject to the competitive sealed proposal process set forth in the Procurement Code or is not required to submit a competitive sealed proposal because that person qualifies for a sole source or a small purchase contract.

**"Representative of a Prospective contractor"** means an officer or director of a corporation, a member or manager of a limited liability corporation, a partner of a partnership or a trustee of a trust of the prospective contractor.

**DISCLOSURE OF CONTRIBUTIONS:**

Contribution made By: \_\_\_\_\_

Relation to Prospective Contractor: \_\_\_\_\_

Name of Applicable Public Official: \_\_\_\_\_

Date Contribution (s) Made: \_\_\_\_\_

Amount (s) of Contribution (s): \_\_\_\_\_

Nature of Contribution (s): \_\_\_\_\_

Purpose of Contribution (s): \_\_\_\_\_

(The above fields are unlimited in size) \_\_\_\_\_

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Title (Position)

NO CONTRIBUTIONS IN THE AGGREGATE TOTAL OVER TWO HUNDRED FIFTY DOLLARS (\$250) WERE MADE to an applicable public official by me, a family member or representative.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Title (Position)

## **Request for Proposals Special Events-Lodgers Tax**

The City of Las Vegas, New Mexico will open Sealed Proposals at 2:00 pm. January 20, 2015, at the City Council Chambers, 1700 North Grand Avenue, Las Vegas, New Mexico, or other designated area at the City Offices; ON THE FOLLOWING:

*Please note: in the past the City of Las Vegas has considered and funded special events as applications are submitted during the fiscal year to the Lodger's Tax Advisory Board. This will no longer occur.*

The City of Las Vegas is requesting sealed proposals for **advertising and/or promoting special event (s) in the Las Vegas area** for fiscal year 2014/2015. (July 1, 2014 – June 30, 2015) The Lodger's Tax Board will review the proposals and determine funding applicability and amounts. All contracts shall be presented to the Governing Body for approval. Events occurring in July, August or September of 2015 are applicable; however, all advertising and or promotions must be completed, with invoices and required backup turned in, prior to June 15, 2015. Special events may include a single event or a series of events, to which the public is invited to watch, listen or participate. Proposal specifications may be obtained from the City Clerk's office at 1700 N Grant Avenue, Las Vegas, New Mexico 87701. The sealed envelope will be marked "Special Event-Lodgers Tax" Opening No. 2015-19 on the lower left hand corner.

Offeror is to provide six (6) copies of the proposal to the City, including one (1) original.

A pre-proposal conference with prospective Offerors will be held on January 7, 2015 at 2:00 pm at the City Council Chambers, 1700 N Grand Avenue, Las Vegas, NM 87701.

Proposal Forms and Specifications may be obtained from the following location: City of Las Vegas Community Development Department, 1700 North Grand Avenue, Las Vegas, New Mexico 87701.

Mailed proposal should be addressed to the City Clerk, 1700 N. Grand Avenue, Las Vegas, New Mexico 87701; with the envelope marked: "Special Events-Lodgers Tax" Opening No.2015-19; on the lower left-hand corner of the submitted envelope. It shall be the responsibility of the Offeror to see that their proposal is delivered to the **City Clerk** by the date and time set for the proposal request. If the mail or delivery of proposal request is delayed beyond the opening date and time, proposal thus delayed will not be considered. Proposals will be reviewed at a later date with possible negotiations to follow.

The City of Las Vegas reserves the right to reject any/or all projects submitted.

### **TO AVOID YOUR PROPOSAL FROM BEING REJECTED PLEASE NOTE:**

A CAMPAIGN CONTRIBUTION DISCLOSURE FORM MUST BE FILED BY ANY PROSPECTIVE OFFEROR WHETHER OR NOT THEY, THEIR FAMILY MEMBER, OR THEIR REPRESENTATIVE HAS MADE ANY CONTRIBUTIONS SUBJECT TO DISCLOSURE. ALSO, THE OFFEROR INFORMATION MUST BE COMPLETED AND NOTARIZED.

## **I. Services Requested**

Please note that a qualified Offeror may submit proposal(s) for advertising and/or promotion of Special Event(s) for the 2014/2015 fiscal year (*July 1, 2014 – June 30, 2015*). Events occurring in July, August and September 2015 are applicable; however, all advertising and/or promotions must be completed with invoices and required backup turned in prior to June 15, 2015. Special Events may include a single event or a series of events, to which the public is invited to watch, listen or participate. Special Events that encourage overnight lodging in hotel and motels are considered most favorable. Advertisements and/or promotional materials must include recognition of the City of Las Vegas Lodgers Tax. Offeror is to provide an estimated cost to implement the special event and indicate other financial resources, either cash or in-kind and co-sponsors/contributors. Offeror must specify an amount being requested. The final contract price is subject to negotiation. Offeror must include a method or approach to measure the economic impact of the special event.

Offeror's proposal for each event is to include the following:

1. A project narrative describing the event and including estimated number of participants;
2. A description of the target market(s) the special event will reach;
3. The advertising strategies and materials that will be used to attract visitors/participants from out of the local area, and encourage them to stay overnight or longer;
4. Methods the Offeror will use to measure the overall success and economic impact of the event;
5. A description of or estimate of the economic impact on the City of Las Vegas, by means of generating revenue for restaurants, hotels, grocery stores, gas stations, etc.;
6. A budget showing the overall cost of the event, cash and in-kind match provided by the Offeror and co-sponsors or other contributors, and the amount requested from Lodgers Tax. (Cash and in-kind match must be shown separately.);
7. A statement assuring the Offeror is financially capable of carrying out the event(s);
8. Offeror must submit a written report and present end results to the city as required under a negotiated contract. All invoices and required backup must be submitted no later than fourteen (14) days following the events(s). Required backup will be clearly specified in the negotiated contract.

## **II. Length of Proposed Contract**

The contract will be an annual contract. However, if it is determined to be advantageous to the City, it may be a multi-term contract for a period not to exceed four years, renewable annually.

### III. Criteria for Acceptance of Proposals

The City of Las Vegas reserves the right to make multiple awards on Professional Services proposals. All contracts shall be presented to the Governing Body for approval. All proposals shall be reviewed for compliance with requirements, as set forth within the Request for Proposals. Proposals will be reviewed and accepted by the Lodgers Tax Advisory Board and the city. The following criteria will be considered in awarding the proposal. Please note that a percentage is awarded for each category:

1. Experience of the Offeror - **10%**  
Experience of the Offeror in the area of administration and management of the proposed or other special events.
2. Impact of the event on the lodging and tourism related industry - **30%**
3. Technical Implementation - **30%**  
The implementation strategies to be used by the Offeror to achieve a successful event and the advertising strategies and materials that will be used to attract visitors/participants from out of the local area, and encourage them to stay overnight or longer. The methods or approaches that will be used to evaluate and report the impact of the event. Note: During the term of the contract, the Offeror will be required to provide descriptive and financial reports to the City of Las Vegas Lodgers Tax Advisory Board.
4. Personnel – **10%**  
Identify key members of Offeror's team including brief resumes of expertise and related job experience and their capability to promote and implement the event.
5. Cash Match and In-kind Services provided by the Offeror/co-sponsors or contributors - **20%**

IV. **Contractual Terms Required**

**AGREEMENT FOR SPECIAL EVENT FUNDING**

THIS AGREEMENT is made and entered into and effective this \_\_\_\_\_ day of \_\_\_\_\_, 2015 by and between the City of Las Vegas, hereinafter referred to as "City" and \_\_\_\_\_ ("Organization") for \_\_\_\_\_ ("Event") hereinafter referred to as "Contractor." The contractor has received notice of funding allocation award from the City of Las Vegas Lodgers Tax to assist in the advertising and promotion for the above referenced event.

IN CONSIDERATION of the mutual promise and covenants contained herein the City and Contractor agree as follows:

1. **PURPOSE** The purpose of this agreement is to assist the Contractor in advertisement and promotion of tourist-related events and attractions, specifically for the event known as the \_\_\_\_\_.
2. **SCOPE OF WORK** Contractor agrees to provide all advertising and promotion for the \_\_\_\_\_ as offered in Contractor's proposal (see Exhibit A).

Contractor has been approved an allocation of \$ 000.00 by the Lodgers Tax Board at its \_\_\_\_\_ Meeting and by the City of Las Vegas at its \_\_\_\_\_ meeting. As a condition of funding, the Contractor must meet the following conditions:

- a. Advertising and promotional materials should be professional and be aimed at attracting outside visitors;
- b. Contractor must include the City logo and the words "City of Las Vegas Lodgers Tax" on all advertising and promotional materials;
- c. All invoices must be submitted within fourteen (14) days following the event;
- d. Contractor must make a presentation on outcome of event to the Lodgers Tax Advisory Board;
- e. If applicable, Contractor agrees to maintain liability insurance in the amounts provided for in the Special Events Permit and name the City as additional insured;

- f. The Contractor agrees that he/she is an independent contractor and not an agent of the City of Las Vegas;
- g. Contractor agrees, upon demand of the City, to open books for said event for an audit by the City.

3. **PAYMENT** The total amount the City will pay to the Contractor under this Agreement shall be an amount approved by the City. Payment shall be made to the Contractor by the City within 30 days from receipt of appropriate documentation from the Contractor (invoices to the Contractor, tear-sheets, examples or copies of advertisements, etc.) Payments will only be made upon submission by Contractor of invoices requiring payment, required backup, and upon approval by the City.
4. **PROJECT REPORT** Contractor agrees that upon completion of event, a written Project Report will be submitted with final invoicing. If the Contractor does not submit a Project Report with final invoicing, payment will not be made. Sources of information may include qualitative and quantitative event information related to participants, lodging, restaurants, and retail or event surveys.
5. **FUNDS ACCOUNTABILITY** Contractor agrees to maintain books, records, documents receipts and other evidence pertaining to the costs and expenses relating to the event to the extent and in such detail as to properly affect all costs, direct and indirect, of labor, materials, equipment, supplies, and services and other costs and expenses as may be required by the City.
6. **ENTIRE AGREEMENT** This Agreement constitutes the entire agreement between the parties and no other agreement or understandings or representations shall be made that are not contained in this Agreement.
7. **DISCLOSURE TO CITY** At such times and in such form as the City Council may require, there shall be furnished to the City as such statements, records, reports, dates and information as the City may request during normal business hours and as often as the City may deem necessary. There shall be made available to the City for examination all records maintained by the Contractor with respect to all matters covered by this agreement, and the Contractor will permit the City to audit, examine and make excerpts of transcripts from such records, and make audits of all data relating to all matters covered by this agreement subject to the limitations set out above.
8. **NO FINANCIAL INTEREST** No Contractor or employee of the City or of the Contractor who exercises any function or responsibility in connection with the planning and carrying out of any of the provisions of this agreement shall have any direct personal financial interest in this agreement, and the Contractor shall take appropriate steps to assure compliance.

9. **PREJUDICE** No person, on account of race, color, religion or national origin shall be excluded from participating in, denied the benefits of, or activity made possible by or resulting from this agreement.
  
10. **POLITICAL ACTIVITY** None of the funds, materials, property or services rendered directly or indirectly under this agreement shall be used in the performance of this agreement for any political activity or to further the election or defeat of any candidate for State, Federal or local office.
  
11. **ASSIGNMENT** The Contractor shall not assign any interest in this agreement, excluding payments for services by the Contractor, as provided for above and shall not transfer any interest in the same (whether by assignment or novation), without the prior written consent of the City hereto. Provided, however, that claims for money due or to become due to the Contractor from the City under this agreement may be assigned to a bank, trust company, or other financial institution without such approval.
  
12. **SUBJECT TO LAWS** The Contractor shall comply at its own cost with all applicable laws, ordinances, and codes of the federal, state and local government.
  
13. **NO FURTHER LIABILITY** The City shall not be obligated or liable under this agreement to any party other than the Contractor for payment of any monies or for provision of any goods or services unless such liabilities are specifically agreed to in this Agreement.
  
14. **JURISDICTION** It is mutually agreed by and between the parties hereto that this agreement shall be performed in Las Vegas, San Miguel County, New Mexico, and further, that any legal action or causes of action in connection herewith will be within the jurisdiction of the appropriate court in San Miguel County, New Mexico, for all purposes.
  
15. **TERMINATION** If the City shall so decide, with or without cause, to terminate this agreement at any time, it may do so. In such event, the City shall thereupon have the right to terminate this agreement upon thirty (30) days written notice of termination given to the Contractor. In such event, all finished or unfinished documents, data, studies, photographs, reports, and the rights to any property prepared or procured by the Contractor under this agreement shall, at the option of the City, become its property and the Contractor shall be entitled to receive just and equitable compensation for any work satisfactorily completed through the termination date. Similarly, the Contractor may, with or without cause, terminate this agreement with thirty (30) days written notice and the City shall reimburse the Contractor for any and all expenses incurred that have not been reimbursed prior to the time of notification provided those expenses are otherwise proper hereunder.

- 16. ENTIRE AGREEMENT** This agreement constitutes the entire agreement between the parties hereto; any prior agreement, whether written or oral, or assertion or statement, or understanding or other commitment antecedent to this agreement shall not have any force or effect whatsoever, unless the same is mutually agreed to by the parties hereto and reduced to writing. No changes or amendments to this agreement shall be effective except those with written approval by both parties.
- 17. AMENDMENT** This contract will not be altered, changed or amended except by a written document signed by the parties to this contract.
- 18. AUTHORITY TO BIND THE CITY** The Contractor shall not have authority to enter into any contract binding upon the City or to create any obligation on the part of the City except such as shall be specifically authorized by the City Council or by the City Manager acting upon authority granted by the City Council.
- 19. NOTICES** Any notices required to be given under this agreement shall be deemed sufficient if given in writing, by mail, to the principal office of the City or to the principal office of the Contractor.

**CONTRACTOR:**

\_\_\_\_\_

**CITY OF LAS VEGAS:**

\_\_\_\_\_

Elmer J. Martinez  
Acting City Manager

ATTEST:

\_\_\_\_\_

Cassandra Fresquez, City Clerk

REVIEWED AND APPROVED AS TO  
LEGAL SUFFICIENCY ONLY:

\_\_\_\_\_

Dave Romero Jr., City Attorney

## EVALUATION SHEET

OFFERORS:

Proposal must address each of the following criteria.

EVALUATOR: \_\_\_\_\_

DATE: \_\_\_\_\_

<b>RATING SHEET FOR:</b>		
<b>Offeror: _____</b>		
<b>ITEM</b>	<b>POSSIBLE POINTS</b>	<b>POINTS AWARDED</b>
<b>RFP – LODGERS TAX SPECIAL EVENTS</b>		
1. Experience of the Offeror	<u>10</u>	
2. Impact of the Event on the Lodging and Tourism Related Industry	<u>30</u>	
3. Technical Implementation	<u>30</u>	
4. Personnel	<u>10</u>	
5. Cash Match and In-Kind Services	<u>20</u>	
<b>SUBTOTAL LODGERS TAX SPECIAL EVENTS</b>	<b><u>100</u></b>	

**Work Session**

**CITY COUNCIL MEETING AGENDA REQUEST**

**DATE: 02/27/2015 DEPT: FINANCE MEETING DATE: 03/11/2015**

**DISCUSSION ITEM/TOPIC: RESOLUTION #15-13 BUDGET ADJUSTMENT  
RESOLUTION.**

**BACKGROUND/RATIONALE: THE CITY OF LAS VEGAS IS IN NEED OF  
INCREASING OR DECREASING THE FY2015 BUDGETED REVENUES OR  
EXPENDITURES, TRANSFERS TO OR TRANSFERS FROM WITHIN VARIOUS  
FUNDS.**

**THIS REQUEST FORM MUST BE SUBMITTED TO THE CITY CLERK'S OFFICE NO  
LATER THAN 5:00 P.M. ON FRIDAY ONE AND A HALF WEEKS PRIOR TO THE  
CITY COUNCIL MEETING.**

  
SUBMITTER'S SIGNATURE

**REVIEWED AND APPROVED BY:**

  
\_\_\_\_\_  
ALFONSO E. ORTIZ, JR.  
MAYOR

  
\_\_\_\_\_  
ELMER J. MARTINEZ  
CITY MANAGER

\_\_\_\_\_  
ANN MARIE GALLEGOS  
FINANCE DIRECTOR  
(PROCUREMENT)

\_\_\_\_\_  
PURCHASING AGENT  
(FOR BID/RFP AWARD)

\_\_\_\_\_  
DAVE ROMERO  
CITY ATTORNEY  
(ALL CONTRACTS MUST BE  
REVIEWED)

STATE OF NEW MEXICO  
MUNICIPALITY OF CITY OF LAS VEGAS  
BUDGET ADJUSTMENT RESOLUTION NO. 15-13

**WHEREAS**, The Governing Body in and for the Municipality of Las Vegas, State of New Mexico has developed a budget for fiscal year 2015; and

**WHEREAS**, said budget adjustments were developed on the basis of an increase in revenues and expenditures, transfers in/or out in various funds; and

**WHEREAS**, increase/decrease in revenues, expenditures, transfer in, and transfers out to be funded by additional grant funding for purposes as identified, and;

**WHEREAS**, the City of Las Vegas is in need of making adjustments to the 2015 fiscal year budget;

**WHEREAS**, it is the majority opinion of this Council that the budget adjustments meet the requirements as currently determined for fiscal year 2015;

**NOW, THEREFORE**, the Governing Body of the City of Las Vegas passes this budget resolution for budget adjustments, PASSED, APPROVED AND ADOPTED THIS \_\_\_\_ DAY OF MARCH, 2015.

\_\_\_\_\_  
Alfonso E. Ortiz, Jr. Mayor

ATTEST:

\_\_\_\_\_  
Casandra Fresquez, City Clerk

REVIEWED AND APPROVED AS TO LEGAL SUFFICIENCY ONLY:

\_\_\_\_\_  
Dave Romero, City Attorney





CITY OF LAS VEGAS

318 Moreno Street • Las Vegas New Mexico 87701 • Ph# (505) 425-7504 • Fax # (505) 425-6346



POLICE DEPARTMENT

Chief Christian Montaña

*New BAR for March 2015*

MEMORANDUM

**TO: ANN MARIE GALLEGOS, FINANCE DIRECTOR**

**FROM: Beatrice Salazar  
BEATRICE SALAZAR, GRANTS ADMINISTRATOR**

**DATE: February 20, 2015**

**RE: REQUEST FOR BUDGET**

In an effort to receive DFA approval to expend funds, attached you will find copies of a Memorandum of Agreement from San Miguel County and program income from the Region IV JAG fund and budget breakdowns. The MOA will go before Council in March but due to the short time we have to spend the funds, we would like to get the BAR going. As for the program income, per federal guidelines, we cannot comingle federal seizure funds with state seizure monies so we have received state funds that need to be spent prior to September 30, 2015. The CDWI Fund number we have used in the past is 271.

Should there be any questions or concerns, please feel free to contact me.



# Board of County Commissioners

*Nicolas T. Leger*  
Chairman - District 5

*Ron R. Ortega*  
Vice-Chair - District 1

*Marcellino A. Ortiz*  
Commissioner - District 2

*Arthur J. Padilla*  
Commissioner - District 3

*Gilbert J. B. Sena*  
Commissioner - District 4

*Les W. J. Montoya*  
County Manager

## MEMORANDUM OF AGREEMENT 02-10-15-DWI-LVPD Between the San Miguel DWI Planning Council and Las Vegas City Police Department

The San Miguel County DWI Planning Council and the Las Vegas City Police Department agree to unite their efforts towards the reduction of Drinking and Driving in San Miguel County.

The San Miguel County DWI Planning Council has agreed to provide five thousand three hundred thirty dollars and sixteen cents (\$5,330.16) in 2014-2015 Local DWI (LDWI) grant funds to the Las Vegas City Police Department.



In agreement, the Las Vegas City Police Department will provide the following services:

- A. Conduct One DWI Check Point, Four Saturation Patrols, and Two Underage Drinking Operations
- B. Comply with project requirements as stated in the FY 14-15 Local DWI Grant Project Agreement.
- C. Complete and submit Project Reimbursement Claims for Enforcement Overtime upon completion of project activity.
- D. Provide status project activity reports to San Miguel County DWI Planning Council on a monthly basis.

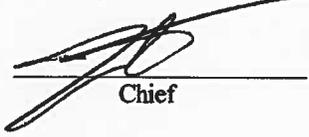
The agreement shall become effective February 10, 2015 and all services shall be completed by June 1, 2015. This agreement may be terminated by either party upon 90 day written notice.

CERTIFIED  
 TRUE & CORRECT COPY  
 FEB 10 2015  
 GERARDO E. AVILA  
 SAN MIGUEL COUNTY CLERK  
 PROJECT CLERK  
 FRK



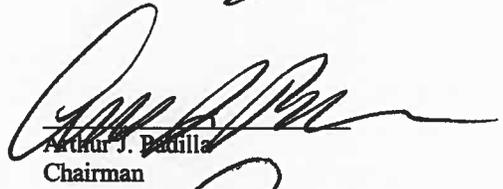
San Miguel County  
DWI Planning Council

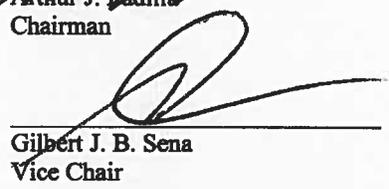
Date: 2-19-15



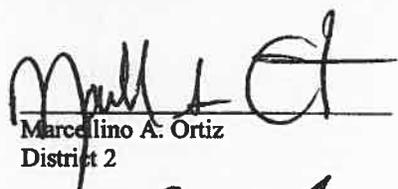
Las Vegas City  
Police Department

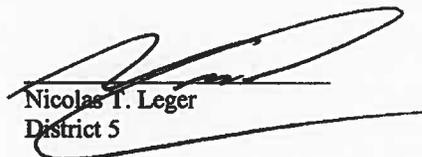
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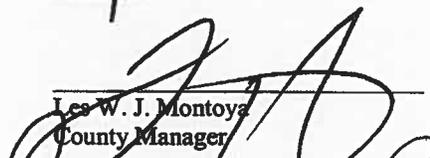
  
Arthur J. Padilla  
Chairman

  
Gilbert J. B. Sena  
Vice Chair

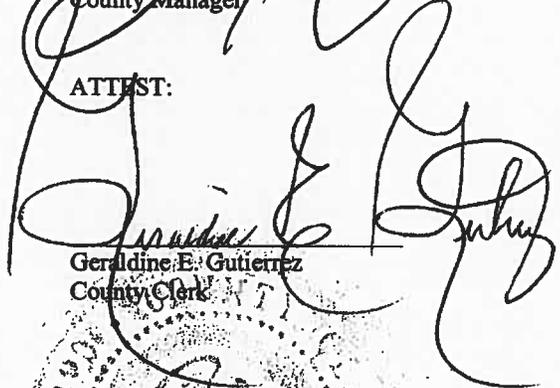
  
Rock G. Ulibarri  
District 1

  
Marcellino A. Ortiz  
District 2

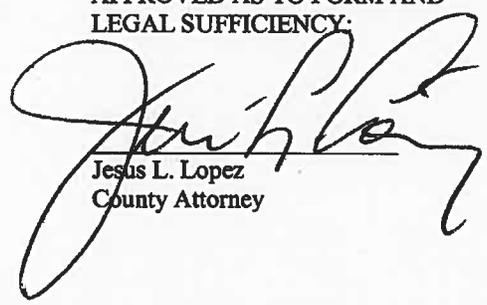
  
Nicolas T. Leger  
District 5

  
Lee W. J. Montoya  
County Manager

ATTEST:

  
Geraldine E. Gutierrez  
County Clerk

APPROVED AS TO FORM AND  
LEGAL SUFFICIENCY:

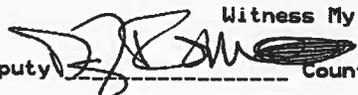
  
Jesus L. Lopez  
County Attorney



COUNTY OF SAN MIGUEL )  
STATE OF NEW MEXICO ) ss

SAN MIGUEL COUNTY  
PAGES: 2

I Hereby Certify That This Instrument Was Filed for  
Record On The 20TH Day Of February, 2015 at 08:20:21 AM  
And Was Duly Recorded as Instrument #201500527  
Of The Records Of San Miguel

Witness My Hand And Seal Of Office  
 Geraldine E. Gutierrez  
Deputy County Clerk, San Miguel, NM

# CDWI Fund 271

EXPIRES 06/01/15

PROJECTED REVENUE			
		<b>TOTAL FUNDING</b>	<b>\$ 5,330.16</b>
LINE ITEM	EXPENDITURES		
271-0000-710-6602	Overtime	\$ 5,330.16	
	<b>TOTAL BUDGET</b>	<b>\$ 5,330.16</b>	

# Program Income

## 293

EXPIRES 09/30/15

PROJECTED REVENUE			
		<b>TOTAL FUNDING</b>	<b>\$ 3,000.00</b>
LINE ITEM	EXPENDITURES	ESTIMATED	ROLL OVERS
293-0000-710-7523	Supplies	\$ 1,000.00	
293-0000-710-8004	Equipment	\$ 2,000.00	
	<b>TOTAL BUDGET</b>	<b>\$ 3,000.00</b>	

**Work Session**

**CITY COUNCIL MEETING AGENDA REQUEST**

**DATE: 2/26/15**

**DEPT: Police Dept.**

**MEETING DATE: 3/11/15**

**DISCUSSION ITEM/TOPIC:** Acceptance of E911 Grant from the Department of Finance Administration to upgrade the City's 911 System.

**BACKGROUND/RATIONALE:** The Las Vegas Police Department will receive a grant from the Department of Finance E911, to support 911 answering services. At this time we are asking approval for DFA E911 to provide the Las Vegas Police Department pass through grant funds for the 911 upgrade in the amount of \$319,555.00.

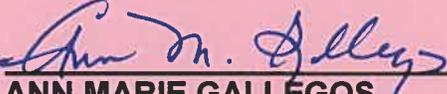
**THIS REQUEST FORM MUST BE SUBMITTED TO THE CITY CLERK'S OFFICE NO LATER THAN 5:00 P.M. ON FRIDAY ONE AND A HALF WEEKS PRIOR TO THE CITY COUNCIL MEETING.**

  
\_\_\_\_\_  
**SUBMITTER'S SIGNATURE**

**REVIEWED AND APPROVED BY:**

  
\_\_\_\_\_  
**ALFONSO E. ORTIZ, JR.**  
**MAYOR**

  
\_\_\_\_\_  
**ELMER J. MARTINEZ**  
**CITY MANAGER**

  
\_\_\_\_\_  
**ANN MARIE GALLEGOS**  
**FINANCE DIRECTOR**  
**(PROCUREMENT)**

\_\_\_\_\_  
**PURCHASING AGENT**  
**(FOR BID/RFP AWARD)**

\_\_\_\_\_  
**DAVE ROMERO**  
**CITY ATTORNEY**  
**(ALL CONTRACTS MUST BE**  
**REVIEWED)**

**SUSANA MARTINEZ**  
GOVERNOR

**RICK LOPEZ**  
DIRECTOR



**THOMAS E. CLIFFORD, PH.D.**  
CABINET SECRETARY

**STATE OF NEW MEXICO**  
**DEPARTMENT OF FINANCE AND ADMINISTRATION**  
**LOCAL GOVERNMENT DIVISION**  
Bataan Memorial Building ♦ Suite 201 ♦ Santa Fe, NM 87501  
PHONE (505) 827-8061 ♦ FAX (505) 827-4340

TO: State Board of Finance Members  
FROM: Rick Lopez, Director, Local Government Division  
DATE: January 28, 2015  
SUBJECT: **State Board of Finance E-911 Grant Program Funding Request**

A handwritten signature in blue ink, appearing to read "Rick Lopez", is written over the "FROM:" line of the memo.

The Local Government Division (Division) requests State Board of Finance (Board) approval for E-911 equipment replacement budgets for Public Safety Answering Points (PSAPs) throughout New Mexico funded by the E-911 Program. The table below lists the projects by County, PSAP and amount requested. At the Board meeting on February 17, 2015, the Division will be prepared to discuss the budgets and answer any questions the Board may have.

The quotes provided are for information purposes only as vendors are subject to change; however, in no case would the scope of work change or the dollar amount increase without further Board approval. All monies not used for these projects will revert to the E-911 Fund. In order to be compliant with Section 63-9D-8(F) NMSA 1978; however, the Division will request the Board's approval for all PSAP grant budgets. The requested amounts are listed on the enclosed spread sheet entitled, "New Mexico E-911 Program Funding Request".

E-911 Equipment Replacement Projects for FY15 and 16 are listed in the following categories:

- **County/PSAP-CPE** - These projects are listed by County and PSAP for Customer Premise Equipment (CPE). CPE is the E-911 equipment at the PSAP for handling 911 calls.  
**CPE request = \$6,311,749.18**
- **County/PSAP Recorders** - This equipment is for recording E-911 calls.  
**Recorder requests = \$179,401.00**
- **County/PSAP Generators** – The Raton PSAP generator is in need of replacement.  
**Generator request = \$52,500.00**
- **County/PSAP - Capital Adjustment** – Two Department of Public Safety PSAPs require additional funding to complete projects.  
**Capital Adjustment (1.) DPS-7 @ \$67,276.44 + (2.) DPS-11 @ \$62,926= \$130,203.32**

### New Mexico E-911 Funding Requests

<b>County/PSAP- CPE</b>	<b>Total for BOF</b>
Lincoln/Mescalero Police Department	\$239,512.01
Dona Ana/Mesilla Valley Regional Dispatch Authority	\$965,259.36
San Miguel/Las Vegas Police Department	\$319,555.00
Santa Fe/Santa Fe Regional Emergency Communications Center	\$717,429.50
Valencia/Valencia Regional Emergency Communications Center	\$728,025.00
Eddy/Regional Emergency Dispatch Authority	\$470,449.00
Socorro/Socorro Police Department	\$286,231.55
Bernalillo/Bernalillo County Communications Center	\$919,811.00
Bernalillo/Department of Public Safety, District 5	\$373,986.72
Torrance/Torrance County 911 Dispatch	\$393,254.04
Sandoval/Sandoval Regional Emergency Communications Center	\$898,236.00
	<b>\$6,311,749.18</b>
<b>County/PSAP-Recorders</b>	
Bernalillo/Department of Public Safety, District 5	\$25,630.00
Chaves/Department of Public Safety, District 3	\$22,725.00
Eddy/Regional Emergency Dispatch Authority	\$59,999.00
Socorro/Socorro Police Department	\$13,396.00
Socorro/Department of Public Safety, District 11	\$19,548.00
Los Alamos/Los Alamos Police Department	\$9,709.00
Sandoval/Sandoval Regional Emergency Communications Center	\$28,394.00
	<b>\$179,401.00</b>
<b>County/PSAP- Generators</b>	
Catron/Raton PD	<b>\$52,500.00</b>
<b>County/PSAP-Capital Adjustment</b>	
Rio Arriba/DPS-7	\$67,276.44
Socorro/DPS-11	\$62,926.88
	<b>\$130,203.32</b>
27-Jan-15	<b>\$6,673,853.50</b>

**SUSANA MARTINEZ**  
GOVERNOR

**RICK LOPEZ**  
DIRECTOR



**THOMAS E. CLIFFORD, PH.D.**  
CABINET SECRETARY

**STATE OF NEW MEXICO**  
**DEPARTMENT OF FINANCE AND ADMINISTRATION**  
**LOCAL GOVERNMENT DIVISION**  
Bataan Memorial Building ♦ Suite 201 ♦ Santa Fe, NM 87501  
PHONE (505) 827-8051 ♦ FAX (505) 827-4340

**TO:** State Board of Finance Members  
**FROM:** Rick Lopez, Director, Local Government Division  
**DATE:** January 28, 2015  
**SUBJECT:** State Board of Finance E-911 Grant Program Funding Request

The Local Government Division (LGD) requests to be added to the agenda for the State Board of Finance (BOF) meeting on February 17, 2015. At the meeting, the LGD would like to request funding approval on-behalf of New Mexico Public Safety Answering Points (PSAPS) for replacement E-911 equipment. This request is pursuant to Section 63-9D-8(f) NMSA 1978.

STATE OF NEW MEXICO  
DEPARTMENT OF FINANCE AND ADMINISTRATION  
LOCAL GOVERNMENT DIVISION  
ENHANCED 9-1-1 GRANT PROGRAM  
GRANT AGREEMENT AMENDMENT NO.1

Grant No. 15-E-20

THIS AMENDMENT, hereinafter referred to as the "Amendment", is made and entered into by and between the Department of Finance and Administration, State of New Mexico, acting through the Local Government Division, Suite 202, Bataan Memorial Building, Santa Fe, New Mexico, 87501, hereinafter referred to as the "Division", and the **City of Las Vegas**, hereinafter referred to as the "Grantee", as of the date this Amendment is executed by the Division.

WHEREAS, the Grantee and the Division entered into a grant agreement, effective July 1<sup>st</sup>, 2014 for an award of grant assistance to the Grantee in the amount of \$331,700.00 from the Enhanced 911 Fund ("Fund") for enhanced 911 services and equipment ("Grant Agreement"); and

WHEREAS, the Grantee has requested additional grant assistance from the Fund in the amount of \$319,555.00 for enhanced 911 services and equipment; and

WHEREAS, the Grantee and the Division desire to memorialize through this Amendment the terms and conditions upon which the additional funds will be made available to the Grantee.

**AGREEMENT**

NOW, THEREFORE, in consideration of the mutual covenants and obligations contained herein, and other good and valuable consideration, the receipt of which is hereby acknowledged, the parties hereby mutually agree to amend the Grant Agreement as follows:

1. Article III - Consideration and Method of Payment, Section A of the Grant Agreement is hereby amended to read in its entirety as follows:

"A. In consideration of the Grantee's satisfactory completion of all work, purchase and maintenance of the equipment and services required to be performed in compliance with all the terms and conditions of this Grant Agreement, the Division shall pay the Grantee a sum not to exceed the following amount from the Enhanced 911 fund: \$651,255.00.

The funds are to be expended in accordance with the proposed Revenue/Expenditure Budget, attached as the "Exhibit C", and made a part hereof, and in accordance with 10.6.2.11 NMAC of the 911 Regulations, entitled PSAP Equipment, Acquisition, and Disbursement of Funds. It is understood and agreed that the Grantee's expenditure of these monies shall not deviate from the line items of said Budget without the prior written approval of the Division and the funds shall not be expended for ineligible costs, as described in 10.6.2.11.F NMAC of the 911 Regulations."

2. Exhibit "C" of the Grant Agreement is hereby replaced in its entirety with the "Exhibit C" attached hereto.
3. All other provisions of the Grant Agreement not amended herein remain in full force and effect.

[Remainder of page intentionally left blank.]

**IN WITNESS WHEREOF**, the Grantee and the Division do hereby execute this Amendment as of the date of signature by the Division below.

**THIS AMENDMENT** has been approved by:

**City of Las Vegas**

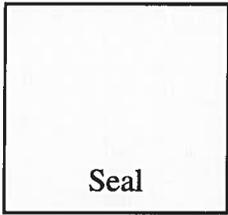
\_\_\_\_\_  
Authorized Signatory

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Type or Print Name)

STATE OF NEW MEXICO    )  
  )ss.  
COUNTY OF \_\_\_\_\_)

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 2014, by \_\_\_\_\_.



\_\_\_\_\_  
Notary Public

My Commission Expires: \_\_\_\_\_

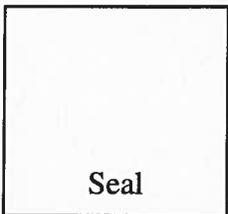
**DEPARTMENT OF FINANCE AND ADMINISTRATION  
LOCAL GOVERNMENT DIVISION**

By: \_\_\_\_\_  
Rick Lopez, Director

\_\_\_\_\_  
Date

STATE OF NEW MEXICO    )  
  )ss.  
COUNTY OF SANTA FE    )

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 2014, by \_\_\_\_\_.



\_\_\_\_\_  
Notary Public

My Commission Expires: \_\_\_\_\_

**Work Session**

**CITY COUNCIL MEETING AGENDA REQUEST**

**DATE: 02/27/15**

**DEPT: Police**

**MEETING DATE: 03/11/15**

**DISCUSSION ITEM/TOPIC:** Memorandum of Agreement between the San Miguel DWI Planning Council and the Las Vegas City Police Department.

**BACKGROUND/RATIONALE:** Memorandum of Agreement for the Las Vegas City Police to conduct DWI operations reimbursable through Local DWI grant funds.

**THIS REQUEST FORM MUST BE SUBMITTED TO THE CITY CLERK'S OFFICE NO LATER THAN 5:00 P.M. ON FRIDAY ONE AND A HALF WEEKS PRIOR TO THE CITY COUNCIL MEETING.**

  
\_\_\_\_\_  
**CHIEF JUAN F. MONTAÑO**

**REVIEWED AND APPROVED BY:**



\_\_\_\_\_  
**ALFONSO E. ORTIZ, JR.**  
**MAYOR**

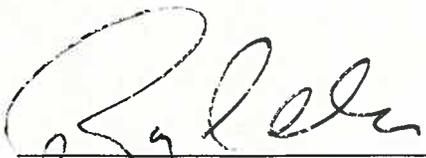
  
\_\_\_\_\_  
**ELMER J. MARTINEZ**  
**CITY MANAGER**

\_\_\_\_\_  
**ANN MARIE GALLEGOS**  
**FINANCE DIRECTOR**  
**(PROCUREMENT)**

\_\_\_\_\_  
**PURCHASING AGENT**  
**(FOR BID/RFP AWARD)**

\_\_\_\_\_  
**DAVE ROMERO**  
**CITY ATTORNEY**  
**(ALL CONTRACTS MUST BE**  
**REVIEWED)**

**Approved to form 1-26-15**

  
\_\_\_\_\_  
San Miguel County DWI  
Planning Council

Date: 2/19/2015

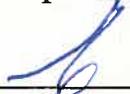
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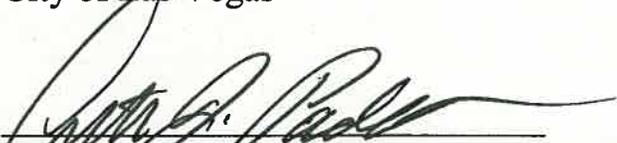
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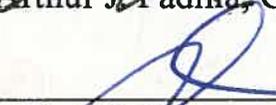
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City of Las Vegas Police  
Department

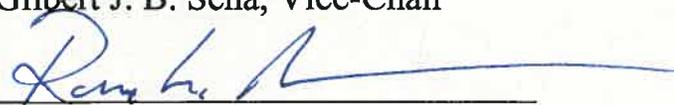
  
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City Manager  
City of Las Vegas

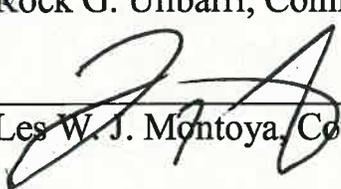
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City Clerk  
City of Las Vegas

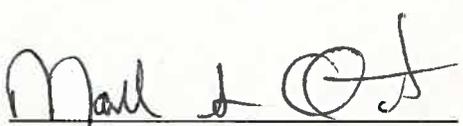
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City Attorney  
City of Las Vegas

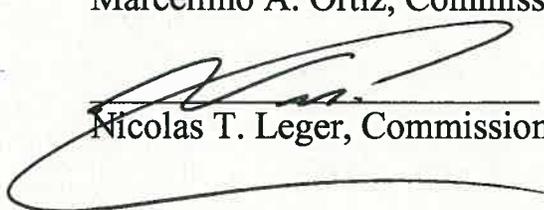
  
\_\_\_\_\_  
Arthur J. Padilla, Chairman

  
\_\_\_\_\_  
Gilbert J. B. Sena, Vice-Chair

  
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Rock G. Ulibarri, Commissioner

  
\_\_\_\_\_  
Les W. J. Montoya, County Manager

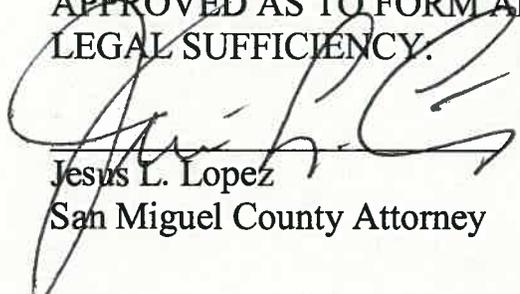
  
\_\_\_\_\_  
Marcellino A. Ortiz, Commissioner

  
\_\_\_\_\_  
Nicolas T. Leger, Commissioner

ATTEST:

\_\_\_\_\_  
Geraldine E. Gutierrez  
San Miguel County Clerk

APPROVED AS TO FORM AND  
LEGAL SUFFICIENCY.

  
\_\_\_\_\_  
Jesus L. Lopez  
San Miguel County Attorney



## Board of County Commissioners

*Nicolas T. Leger*  
Chairman - District 5

*Ron R. Ortega*  
Vice-Chair - District 1

*Marcellino A. Ortiz*  
Commissioner - District 2

*Arthur J. Padilla*  
Commissioner - District 3

*Gilbert J. B. Sena*  
Commissioner - District 4

*Les W. J. Montoya*  
County Manager

**MEMORANDUM OF AGREEMENT 02-10-15-DWI-LVPD**  
**Between the**  
**San Miguel DWI Planning Council**  
**and**  
**Las Vegas City Police Department**

The San Miguel County DWI Planning Council and the Las Vegas City Police Department agree to unite their efforts towards the reduction of Drinking and Driving in San Miguel County.

The San Miguel County DWI Planning Council has agreed to provide five thousand three hundred thirty dollars and sixteen cents (\$5,330.16) in 2014-2015 Local DWI (LDWI) grant funds to the Las Vegas City Police Department.

In agreement, the Las Vegas City Police Department will provide the following services:

- A. Conduct One DWI Check Point, Four Saturation Patrols, and Two Underage Drinking Operations
- B. Comply with project requirements as stated in the FY 14-15 Local DWI Grant Project Agreement.
- C. Complete and submit Project Reimbursement Claims for Enforcement Overtime upon completion of project activity.
- D. Provide status project activity reports to San Miguel County DWI Planning Council on a monthly basis.

The agreement shall become effective February 10, 2015 and all services shall be completed by June 1, 2015. This agreement may be terminated by either party upon 90 day written notice.

**Work Session**

**CITY COUNCIL MEETING AGENDA REQUEST**

**DATE: 02/27/15**

**DEPT: Police**

**MEETING DATE: 03/11/15**

**DISCUSSION ITEM/TOPIC: Grant application for Law Enforcement Protection Fund.**

**BACKGROUND/RATIONALE: Application for funds to purchase equipment and advanced training for officers and payment to NMFA for police vehicles previously purchased.**

**THIS REQUEST FORM MUST BE SUBMITTED TO THE CITY CLERK'S OFFICE NO LATER THAN 5:00 P.M. ON FRIDAY ONE AND A HALF WEEKS PRIOR TO THE CITY COUNCIL MEETING.**

  
\_\_\_\_\_  
**CHIEF JUAN F. MONTAÑO**

**REVIEWED AND APPROVED BY:**

  
\_\_\_\_\_  
**ALFONSO E. ORTIZ, JR.  
MAYOR**

  
\_\_\_\_\_  
**ELMER J. MARTINEZ  
CITY MANAGER**

\_\_\_\_\_  
**ANN MARIE GALLEGOS  
FINANCE DIRECTOR  
(PROCUREMENT)**

\_\_\_\_\_  
**PURCHASING AGENT  
(FOR BID/RFP AWARD)**

\_\_\_\_\_  
**DAVE ROMERO  
CITY ATTORNEY  
(ALL CONTRACTS MUST BE  
REVIEWED)**

**SUSANA MARTINEZ**  
GOVERNOR

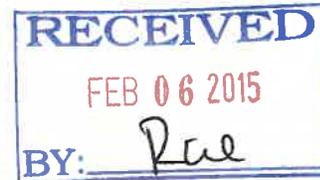
**RICK LOPEZ**  
DIRECTOR



**THOMAS E. CLIFFORD, PH.D.**  
CABINET SECRETARY

STATE OF NEW MEXICO  
DEPARTMENT OF FINANCE AND ADMINISTRATION  
LOCAL GOVERNMENT DIVISION  
Bataan Memorial Building ♦ Suite 202 ♦ Santa Fe, NM 87501  
PHONE (505) 827-8051 ♦ FAX (505) 827-4340

TO: Chief Law Enforcement Officers  
FROM: Rick Lopez, Director  
Local Government Division  
DATE: February 1, 2014  
RE: Law Enforcement Protection Fund



Attached are the application and instructions for the Law Enforcement Protection Fund. Please return the completed application to the Local Government Division (LGD) with a postmark date no later than March 31, 2015.

LGD is required by Section 29-13-4.A NMSA 1978 to determine the relative needs of all local law enforcement agencies by April 15. In order to meet this statutory requirement, it is imperative that LGD receive all applications by March 31, 2015.

The appropriate authority as indicated must sign the application. All parts of the application must be completed and include a listing of certified officers on the Supplemental Schedule. All officers for whom the \$600 award is requested must be certified by July 1, 2015. The Department of Public Safety (DPS) will verify certification of officers. In order for an officer to be funded, they must appear on the March 31, 2015 DPS Registry, or must be enrolled in the New Mexico Police Academy with an anticipated graduation date prior to or on July 1, 2015. The registry reporting requirements can be found in Section 10.29.9.10 of the New Mexico Administrative Code (NMAC). Incomplete applications will be given 10 days from the date of notification to complete the application. Written notification of the amount of distribution will be sent to applicants by May 1, 2015.

Although the application no longer requests the Social Security Number (SSN) for officers, the SSN may be requested during the application review process if LGD needs this information to match an officer to the DPS Registry; however, you can be assured that confidential information will be strictly safeguarded.

Under the Appropriations Bill, DFA/LGD "shall not distribute a general fund appropriation . . . to a New Mexico agency or local public body that is not current on its audit or financial reporting or otherwise compliant with the Audit Act . . .".

Please contact Erica Cummings at (505) 827-4127 if additional information is required.

RL:ec  
Attachments  
cc: Mark Shea, New Mexico Department of Public Safety

**APPLICATION FOR LAW ENFORCEMENT PROTECTION FUNDS  
FOR CLASS 1 MUNICIPALITIES AND COUNTIES  
PURSUANT TO CHAPTER 29, ARTICLE 13 NMSA 1978  
FOR THE JULY 1, 2015 - JUNE 30, 2016 FISCAL YEAR**

I. **Municipality or County:** Las Vegas City Police Department

II. **Computation of Proposed Distribution:**

A. Class 1 (Population per 2010 Census = 0 to 20,000) \$20,000

B. Total Number of Full-Time Certified Police Officers  
or Sheriff Deputies (\*) multiplied by \$600:

30 X \$600 = \$ 18,000

(\*) Each officer or Deputy must be certified by the New Mexico Law Enforcement Academy pursuant to Section 29-7-8 NMSA or authorized as a New Mexico peace Officer pursuant to Section 29-1-11 NMSA. Certification status must be current on the registry at the Law Enforcement Academy.

C. Total Proposed Distribution\*\* (A + B) \$ 38,000.00

III. Amounts distributed from the Law Enforcement Protection Fund must be expended only for the purposes allowed by Section 29-13-7 NMSA 1978. Please itemize the proposed use of these funds below:

A.	Repair and purchase of law enforcement apparatus and equipment <b>(Itemized schedule, page 3, must be completed)</b> <sup>1</sup> which meet <b>minimum nationally recognized standards</b> . (Please Note: regular maintenance on vehicles and police equipment; office furniture and supplies; or operating expenses are not allowable expenses) Rule 2 NMAC 110.3	\$5000.00
B.	Expenses associated with <b>advanced</b> law enforcement planning and training.	\$7000.00
C.	Complying with <b>match</b> or contribution requirements for the receipt of federal funds relating to <b>criminal justice</b> programs.	
D.	No more than <b>fifty percent (50%)</b> of the <b>replacement salaries</b> of law enforcement personnel participating in basic law enforcement training.	
E.	New Mexico Finance Authority Intercept Agreement.	\$26000.00
F.	<b>TOTAL ESTIMATED EXPENDITURES**</b> (must equal total distribution)	<b>\$38000.00</b>

\*\* Total Estimated Expenditures from Section III must equal the amount of Total Proposed Distribution in Section II.

IV. **CERTIFICATION:** Under penalty of law, we hereby certify that to the best of our knowledge and belief, the information contained in this application is correct, and that all expenditures of Law Enforcement Protection Fund monies will be made in accordance with Sections 29-13-7 and 29-13-9 NMSA 1978 as well as Rule 2 NMAC 110.3.

\_\_\_\_\_  
Mayor/Chairman

\_\_\_\_\_  
Police Chief or Sheriff

\_\_\_\_\_  
Date

<sup>1</sup> Pertains only to municipalities with a population of 1500 or less and universities.

Municipality/County: Las Vegas City Police DepartmentContact Person: Chief Juan F. MontañoPhone Number: 505-426-3146

**APPLICATION FOR LAW ENFORCEMENT PROTECTION FUNDS  
FOR MUNICIPALITIES AND COUNTIES  
PURSUANT TO CHAPTER 29, ARTICLE 13 NMSA 1978  
FOR THE JULY 1, 2013 - JUNE 30, 2014 FISCAL YEAR**

**SUPPLEMENTAL SCHEDULE**

**Instructions:** List the name, certificate number, and date of certification of all full-time police officers and sheriff deputies certified by the New Mexico Law Enforcement Academy pursuant to Section 29-7-8 NMSA 1978 or authorized to act as a New Mexico peace officer pursuant to Section 29-1-11 NMSA 1978. Please photocopy this form if additional space is needed.

Name of Full-Time Certified Police Officers and Sheriff Deputies	Certificate Number	Cert. Date
1) Apodaca, Matias	01-0329-P	12/19/2001
2) Cordova, David	10-0149-P	08/27/2010
3) Crespín, Adrian	96-0148-P	06/11/1996
4) Davis, Kalama	14-0311-P	12/18/2014
5) Encinias, Dillon	14-0314-P	12/18/2014
6) Gage, Jason	11-0266-P	11/10/2011
7) Garcia, Johnny Ray	12-0181-P	06/01/2012
8) Gonzales, Juan	99-0372-P	12/16/1999
9) Griego, Eian	14-0318-P	12/18/2014
10) Gutierrez, Robert	91-0283-P	12/06/1991
11) Jenkins, Kenneth	00-0055-P	04/26/2000
12) Lopez, Chris	11-0278-P	11/10/2011
13) Lopez, Michael	06-0044-P	05/27/2006
14) Mares, Conrad	13-0118-P	06/14/2013
15) Martinez, Steven		edc. 06/17/2015
16) Montano, Juan	99-0121-P	04/23/1999
17) Nix, Jared	13-0280-P	12/20/2013
18) Ortega, Michael	12-0301-P	11/10/2011
19) Pacheco, Alan	10-0159-P	08/27/2010
20) Pacheco, Steve	02-0046-P	04/25/2002
21) Padilla, Eric	03-0199-P	07/29/2003
22) Padilla, Michael	99-0124-P	04/23/1999
23) Sandoval, Pamela	03-0200-P	07/29/2003

Municipality/County: Las Vegas City Police Department

Contact Person: Chief Juan F. Montaño

Phone Number: 505-426-3146

24) Stumberg, Kenneth	07-0139-P	08/10/2007
25) Tafoya, Christopher		edc. 06/17/2015
26) Trujillo, David	12-0108-P	06/01/2012
27) Trujillo, Valerie	14-0319-P	12/18/2014
28) Vigil, Adam	13-0293-P	12/20/2013
29) Vigil, Monica	04-0348-P	12/21/2004
30) Whitfield, Antoine	11-0059-P	02/03/2011

NOTE: Please use name that has been reported to The Department of Public Safety (DPS), e.g. if female officer has married/divorced and has changed last name and has not been reported to DPS.

**Work Session**

**CITY COUNCIL MEETING AGENDA REQUEST**

**DATE:** 02/25/15

**DEPT:** Utilities

**MEETING DATE:** 03/11/15

**DISCUSSION ITEM/TOPIC:** Award bid #2015-22 for North Grand Effluent Project Material.

**BACKGROUND/RATIONALE:** The water division went out for competitive sealed bids for materials to complete the North Grand effluent project. The purchase of these materials will allow for completion of the project. We would like to award selected items to all 3 bidders (see attached bid tabulation).

Advertised: February 8, 2015 – Albuquerque Journal, February 9, 2015 – Optic and City Website.

Bid Opening: February 19, 2015

Number of Bidders: 3 (see attached bid opening form and bid tabulation)

Funding Source: Loan/Grant Funding and City Funds

Line Item Number: 646-0000-650-8738

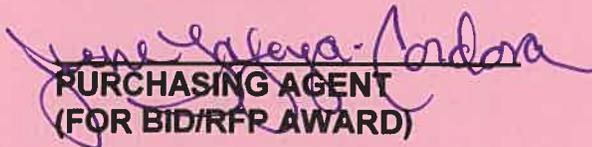
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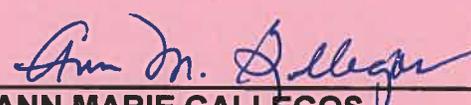
  
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**SUBMITTER'S SIGNATURE**

**REVIEWED AND APPROVED BY:**

  
\_\_\_\_\_  
**ALFONSO E. ORTIZ, JR.**  
**MAYOR**

  
\_\_\_\_\_  
**ELMER J. MARTINEZ**  
**CITY MANAGER**

  
\_\_\_\_\_  
**PURCHASING AGENT**  
**(FOR BID/RFP AWARD)**

  
\_\_\_\_\_  
**ANN MARIE GALLEGOS**  
**FINANCE DIRECTOR**  
**(PROCUREMENT)**

\_\_\_\_\_  
**DAVE ROMERO**  
**CITY ATTORNEY**  
**(ALL CONTRACTS MUST BE REVIEWED)**



## UTILITIES DEPARTMENT PROJECT SUMMARY SHEET

**PROJECT NAME:** N. Grand Effluent Reuse

**PROJECT NUMBER:** UT-WE-2013-4

**PROJECT DESCRIPTION:** Construction of a 100,000 gallon effluent storage tank and booster station near City Hall for short term storage and zone pressure to Hanna Park. The project will also require the construction of a new effluent reuse line to supply irrigation water to Padilla Park, Los Ninos School, and Hanna Park.

**ACTION TIMELINE:** March-December, 2014

**LINE ITEM NUMBER:** 646-0000-650-8738

**ENGINEER/CITY ESTIMATE:** \$1,266,043.18

**BUDGETED AMOUNT:** (\$1,222,621.92)

**Funding Sources**

SRF (Construction Egr Services)	\$106,030.92
WTB 286 (Construction)	\$722,000.00
City Funds (Utilities)	\$342,091.00
<u>City Funds (General Fund)</u>	<u>\$ 52,500.00</u>
<b>Total Funds Available</b>	<b>\$1,222,621.92</b>

**Expenditures**

<b>CONTRACTOR BID AMOUNT:</b>	<b>\$ 855,012.25</b>
<b>CITY CONSTRUCTION:</b>	<b>\$ 205,000.00</b>
<b>ENGINEER ADMIN/OBSERVATION:</b>	<b>\$ 106,030.92</b>
<b>Land Survey Appraisal and Legal</b>	<b>\$ 4,078.75</b>
<u><b>Purchase Land</b></u>	<u><b>\$ 52,500.00</b></u>
<b>TOTAL COST (W/Tax):</b>	<b>\$1,222,621.92</b>

ACTION	DESCRIPTION	DATE
<b>Loan/Grant</b>	WTB-286 Grant \$649,800.00 Loan 72,200.00 DW-2911 Cash Match Pre Construction \$108,300.00	6/21/13
<b>Authorized Ordinance</b>	City adopted Ordinance No. 13-07 authorizing execution of loan and subsidy agreement (SRF 2911) with NMFA	05/15/13
<b>Loan/Subsidy Agreement</b>	City entered into loan/subsidy agreement (SRF 2911) with NMFA for planning and design.	06/21/13
<b>Engineer Svcs. Agreement</b>	2679-13(EGR)	12/16/13
<b>RFB 2014-08 Advertised</b>	Las Vegas Optic, City Website	10/02/13
<b>RFB 2014-08 Opening</b>	Opened at City Hall Number of Proposers: 7	11/06/13
<b>Staff Recommendation</b>	Low Bid - CJ Mead (\$ 855,012.25 w/NMGRT)	08/02/13
<b>Notice of Award</b>	CJ Mead Construction (2946-14)	12/11/13
<b>Notice to Proceed</b>	CJ Mead Construction	02/17/14
<b>Substantial completion</b>	Contractors Substantial Completion estimated date	01/31/15
<b>Committee Recommendation</b>	City to enter into purchase agreement with Floyds Rental Inc. Discussed at Utility Advisory Committee-recommendation for approval.	1/13/15
<b>Council Approval</b>	City to enter into purchase agreement with Floyds Rental Inc. Taken to City Council for approval.	1/20/15
<b>Next Step</b>	City to enter into purchase agreement with Floyds Rental Inc.	
<b>Next Step</b>	City to install effluent piping to connect existing effluent lines to the City Hall Storage Tank.	

**North Grand Effluent  
City Hall Portion  
Bid Tabulation**

	Item	Unit	Qty	HD Supply	Baker	Ferguson
A	6" PVC C-900 (purple)	FT	300	\$ 1,155.00	\$ 1,191.00	\$ 1,236.00
B	8" PVC C-900 (purple)	FT	1000	\$ 6,660.00	\$ 6,830.00	\$ 7,140.00
C	12" PVC C-900 (purple)	FT	880	\$ 12,416.80	\$ 12,724.80	\$ 13,305.60
D	1" meter yoke	EA	4	\$ 62.28	\$ 64.28	\$ 69.75
E	1" angle stop valve	EA	4	\$ 195.60	\$ 180.00	\$ 321.34
F	1" angle ell	EA	4	\$ 137.12	\$ 100.00	\$ 97.47
G	2" angle stop valve	EA	3	\$ 508.14	\$ 597.00	\$ 611.11
H	2" angle ell	EA	3	\$ 266.13	\$ 345.00	\$ 269.10
I	6" x 2" Saddle tap - stainless	EA	1	\$ 66.04	\$ 46.55	\$ 58.69
J	10" x 1" Saddle tap - stainless	EA	1	\$ 79.24	\$ 64.00	\$ 76.76
K	10" x 2" Saddle tap - stainless	EA	2	\$ 183.86	\$ 144.00	\$ 175.58
L	12" x 2" saddle tap - stainless	EA	1	\$ 105.66	\$ 79.00	\$ 101.71
M	12" x 8" saddle tap - stainless	EA	1	\$ 932.61	\$ 533.00	\$ 651.84
N	18" meter riser with lid	EA	7	\$ 1,377.18	\$ 889.00	\$ 910.00
O	6" Cap - MJ w/2" threaded port	EA	1	\$ 43.68	\$ 42.00	\$ 42.51
P	6" megalug, bolt and gskt kit	EA	2	\$ 73.80	\$ 66.00	\$ 86.39
Q	8" Cap - MJ w/2" thread port	EA	1	\$ 61.04	\$ 59.00	\$ 59.41
R	8" megalug, bolt and gskt kit	EA	2	\$ 99.66	\$ 93.00	\$ 116.46
S	10"x10"x10" Tee - flange	EA	1	\$ 447.04	\$ 435.00	\$ 431.64
T	10" flange - 12" MJ Reducer	EA	1	\$ 536.57	\$ 395.00	\$ 428.37
U	10" flange bolt and gskt kit	EA	3	\$ 63.39	\$ 58.50	\$ 92.21
V	12" megalug, bolt and gskt kit	EA	19	\$ 1,758.07	\$ 1,463.00	\$ 2,031.42
W	12" flange - 6" MJ Reducer		1	\$ 324.08	\$ 285.00	\$ 335.72
X	12" 45 deg ell - MJ	EA	2	\$ 349.44	\$ 368.00	\$ 340.08
Y	12" 90 deg ell - MJ	EA	1	\$ 211.12	\$ 220.00	\$ 205.47
Z	12"x12"x12" Tee	EA	1	\$ 294.00	\$ 350.00	\$ 286.13
AA	12" MJ-Flange adapter, bolt, gskt	EA	2	\$ 478.14	\$ 400.00	\$ 636.54
AB	6" Gate Valve - MJ	EA	1	\$ 484.50	\$ 455.00	\$ 492.69
AC	8" Gate Valve - MJ/MJ	EA	2	\$ 1,543.32	\$ 1,460.00	\$ 1,569.48
AD	8" Gate Valve - Flange/MJ	EA	1	\$ 757.11	\$ 735.00	\$ 769.89
AE	10" Gate Valve	EA	2	\$ 2,406.50	\$ 2,400.00	\$ 2,447.28
AF	Valve can - top	EA	6	\$ 230.64	\$ 114.00	\$ 121.68
AG	Valve can - bottom	EA	6	\$ 207.36	\$ 222.00	\$ 219.96
AH	Valve can - lid (Reclaimed)	EA	6	\$ 49.98	\$ 54.00	\$ 64.80
AI	Burial tape - effluent/reclaimed	FT	2180	\$ 44.82	\$ 69.00	\$ 80.78
AJ	Tracer wire - purple	FT	2180	\$ 720.00	\$ 375.00	\$ 344.01

<b>Subtotal (Selected Items)</b>
<b>Shipping</b>
<b>Tax</b>
<b>Total:</b>

<b>\$ 21,370.51</b>	<b>\$ 9,961.05</b>	<b>\$ 1,704.80</b>
<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>\$ 1,740.63</b>	<b>\$ 811.33</b>	<b>\$ 138.86</b>
<b>\$ 23,111.14</b>	<b>\$ 10,772.38</b>	<b>\$ 1,843.66</b>

**Total (All Selected Items)**

**\$ 35,727.17**

**CITY OF LAS VEGAS  
PROPOSAL/BID OPENING**

DATE: 19-Feb-2015

OPENING NO.: 2015-22

TIME: 2:00 PM

DEPARTMENT: UTILITIES DEPT

LOCATION: City Council Chambers  
1700 N. Grand Ave.  
Las Vegas, NM 87701

ITEM(S): **NORTH GRAND EFFLUENT PROJECT MATERIAL**

RECEIVED FROM:	AMOUNT	BID BOND	AFFIDAVIT NOTARIZED	CAMPAIGN DISC. FORM
1 Baker Utility	NO GRT 33,906.13		✓	✓
2 Fungeson Waterworks	NO GRT 36,227.87		✓	✓
3 HD Waterworks	NO GRT 35,329.92		✓	✓
4				
5				
6				

COMPANY REPRESENTATIVE

COMPANY NAME

1 <i>[Signature]</i>	City of Las Vegas
2 <i>[Signature]</i>	
3 <i>[Signature]</i>	CLV
4	
5	
6	

(use other side of form when full)  
ORIGINAL PROPOSALS TAKEN BY:

DATE: \_\_\_\_\_

OPENED BY: FINANCE DEPARTMENT

*[Signature]*  
DATE: 2-19-15

COPIES TAKEN BY:

*[Signature]*  
DATE: 2/19/15

**REQUEST FOR BIDS**

Baker  
copy  
RECEIVED  
FEB 19 2015

The City of Las Vegas, New Mexico will open Sealed Bids at 2:00 p.m. Feb 19, 2015 at the City Council Chambers, 1700 North Grand Avenue, Las Vegas, New Mexico, or other designated area at the City Offices; ON THE FOLLOWING:

North Grand Effluent Project Material

The BIDDING FORMS AND TECHNICAL SPECIFICATIONS may be examined at the following location: 1700 N. GRAND AVE. LAS VEGAS, NM 87701

Copies of the BIDDING FORMS AND TECHNICAL SPECIFICATIONS may be obtained at the office of : 1700 N. GRAND AVE. LAS VEGAS, NM 87701

Mailed Bids should be addressed to the City Clerk, 1700 N. Grand Ave., Las Vegas, New Mexico 87701; with the envelope marked: North Grand Effluent Project Opening No. 2015-21; on the lower left-hand corner of the submitted envelope. It shall be the responsibility of the bidder to see that their bid is delivered to the City Clerk by the date and time set for the bid request. If the mail or delivery of bid request is delayed beyond the opening date and time, bid thus delayed will not be considered. A public opening will be held and any bidder or their authorized representative is invited to attend.

The City of Las Vegas reserves the right to reject any/or all bids submitted.

CITY OF LAS VEGAS,

Elmer J. Martinez  
ELMER J. MARTINEZ, ACTING CITY MANAGER

Casandra Fresquez  
CASANDRA FRESQUEZ, CITY CLERK

Ann M. Gallegos  
ANN M. GALLEGOS, FINANCE DIRECTOR

June Tafoya Cordova  
JUNE TAFOYA CORDOVA, PURCHASING OFFICER

Opening No. 2015-21

Date Issued: 2-4-15

Date Issued: Published: Albuquerque Journal February 8, 2015  
Las Vegas Optic February 9, 2015  
City website: [www.lasvegasnm.gov](http://www.lasvegasnm.gov)

**BIDDER INFORMATION**

BIDDER: BAKER UTILITY SUPPLY

AUTHORIZED AGENT: DAVID MORRILL

ADDRESS: 4320 2ND ST.

TELEPHONE NUMBER (505) 264-0383

FAX NUMBER (505) 881-4615

DELIVERY: BAKER TRUCK - WES

STATE PURCHASING RESIDENT CERTIFICATION NO.: L0278440256

NEW MEXICO CONTRACTORS LICENSE NO.: \_\_\_\_\_

BID ITEM (S): North Grand Effluent Project Material

ITEM (S) UNDER THIS BID ARE TO BE F.O.B. LAS VEGAS, NEW MEXICO 87701. THE CITY OF LAS VEGAS RESERVES THE RIGHT REJECT ANY OR ALL BIDS AND TO WAIVE ANY TECHNICAL IRREGULARITY IN THE FORM OF THE BID.

**AFFIDAVIT FOR FILING WITH COMPETITIVE BID**

STATE OF NEW MEXICO

COUNTY OF Bernalillo

I DAVID MORRILL, of lawful age, being of first duly sworn in oath, say that I am the agent authorized by the bidder to submit the attached bid. Affiant further states that the bidder has not been a party to any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding; or with any city official or employee as to the terms of said prospective contract, or any other terms of said prospective contract; or in any discussion between bidders with any city official concerning an exchange of money or any other thing of value for special consideration in the letting of a contract.

David Morrill  
Signature

Subscribed and sworn to before me, this 18 day of July, 2015.

Deborah Garcia  
Notary Public Signature

My Commission Expires: 1/29/16



CITY OF LAS VEGAS

BID FORM

BID ITEM (S): North Grand Effluent Project Materials

	Item	Unit	Qty	Price Each	Net Price
A	6" PVC C-900 (purple)	FT	300	3.97	1,191
B	8" PVC C-900 (purple)	FT	1000	6.83	6,830
C	12" PVC C-900 (purple)	FT	880	14.46	12,724.80
D	1" meter yoke	EA	4	16.07	64.28
E	1" angle stop valve	EA	4	45.00	180
F	1" angle ell	EA	4	25.00	100
G	2" angle stop valve	EA	3	199	597
H	2" angle ell	EA	3	115	345
I	6" x 2" Saddle tap - stainless	EA	1	46.55	46.55
J	10" x 1" Saddle tap - stainless	EA	1	64	64
K	10" x 2" Saddle tap - stainless	EA	2	72	144
L	12" x 2" saddle tap - stainless	EA	1	79	79
M	12" x 8" saddle tap - stainless	EA	1	533	533
N	18" meter riser with lid	EA	7	127	889
O	6" Cap - MJ w/2" threaded port	EA	1	42	42
P	6" megalug, bolt and gskt kit	EA	2	33	66
Q	8" Cap - MJ w/2" thread port	EA	1	59	59
R	8" megalug, bolt and gskt kit	EA	2	46.50	93
S	10" x 10" x 10" Tee - flange	EA	1	435	435
T	10" flange - 12" MJ Reducer	EA	1	395	395
U	10" flange bolt and gskt kit	EA	3	19.50	58.50
V	12" megalug, bolt and gskt kit	EA	19	77	1463
W	12" flange - 6" MJ Reducer		1	285	285
X	12" 45 deg ell - MJ	EA	2	184	368
Y	12" 90 deg ell - MJ	EA	1	220	220
Z	12" x 12" x 12" Tee	EA	1	350	350
AA	12" MJ-Flange adapter, bolt, gskt	EA	2	200	400
AB	6" Gate Valve - MJ	EA	1	455	455
AC	8" Gate Valve - MJ/MJ	EA	2	730	1460
AD	8" Gate Valve - Flange/MJ	EA	1	735	735
AE	10" Gate Valve	EA	2	1200	2400
AF	Valve can - top	EA	6	19	114
AG	Valve can - bottom	EA	6	37	222
AH	Valve can - lid (Reclaimed)	EA	6	9	54
AI	Bural tape - effluent/reclaimed	FT	2180	23	69
AJ	Tracer wire - purple	FT	2180	75	325
	Shipping				6
	Tax				2,373.44
	Total:				36,279.57

CLARIFICATION OF BID

Bidder requiring clarification or interpretation of Bid specifications shall make a written request to the Department involved in this bid request at least five (5) days prior to the scheduled bid opening date with a copy forwarded to the Finance Department. Any interpretation, corrections or changes of said Bid Specifications, Opening Date, or Time Change will be made by Addendum only. Interpretations, Corrections or changes of said bid made in any other manner will not be binding and the Bidder shall not rely upon such interpretation, corrections and changes.

MODIFICATION OF BID

Bids may be withdrawn upon receipt of written request prior to the scheduled bid opening for the purpose of making any corrections or changes. Such corrections must be properly identified and signed or initialed by the Bidder. Resubmission must be prior to the scheduled bid opening time in order to be considered. After bid opening, no price modifications of submitted bids or other provisions shall be permitted.

WITHDRAWAL OF BID

A low Bidder alleging a material mistake of fact, after bids have been opened may request their bid be withdrawn upon receipt of a written request to the Finance Department prior to the scheduled awarding date.

INSPECTION

Final inspection and acceptance will be made at the City's destination. Products rejected for nonconformance with the specifications shall be removed by the Bidder, at his/her risk and expense promptly after notice of rejection.

FEDERAL TAX IDENTIFICATION NUMBER

Pursuant to IRS requirements, Bidder shall provide their Federal Tax ID Number if Bidder is incorporated. If Bidder is a sole proprietorship or partnership then they shall provide their Social Security Number.

FEDERAL TAX ID NUMBER: 85-0167236  
SOCIAL SECURITY NUMBER: \_\_\_\_\_

NEW MEXICO TAX IDENTIFICATION NUMBER

Payment may be withheld under (Section 7-10-5, N.M.S.A. 1978) if you are subject to New Mexico Gross Receipts Tax and have not registered for a New Mexico (GRS) Tax Identification Number. Contact the New Mexico Taxation & Revenue Department at (505) 827-0700 for registering instructions.

NEW MEXICO TAX IDENTIFICATION NO. (GRS): LO 278 440 251

proposal process set forth in the Procurement Code or is not required to submit a competitive sealed proposal because that person qualifies for a sole source or a small purchase contract.

"Representative of a prospective contractor" means an officer or director of a corporation, a member or manager of a limited liability corporation, a partner of a partnership or a trustee of a trust of the prospective contractor.

**DISCLOSURE OF CONTRIBUTIONS:**

Contribution Made By: \_\_\_\_\_

Relation to Prospective Contractor: \_\_\_\_\_

Name of Applicable Public Official: \_\_\_\_\_

Date Contribution(s) Made: \_\_\_\_\_

Amount(s) of Contribution(s) \_\_\_\_\_

Nature of Contribution(s) \_\_\_\_\_

Purpose of Contribution(s) \_\_\_\_\_

(The above fields are unlimited in size) \_\_\_\_\_

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Title (position)

-OR-

**NO CONTRIBUTIONS IN THE AGGREGATE TOTAL OVER TWO HUNDRED FIFTY DOLLARS (\$250) WERE MADE to an applicable public official by me, a family member or representative.**

David C. Merrill  
Signature

2-18-15  
Date

Sales Manager  
Title (Position)



4320 2nd St. NW  
 Albuquerque, New Mexico 87107  
 (505) 884-0990  
 Toll Free in N.M. 1 (800) 262-9337  
 FAX (505) 881-4615

Estimate	028123
Date	2/18/2015
Page	1

**PLEASE DO NOT  
 PAY FROM THIS  
 SALES ORDER**

Bill To:

LAS VEGAS, CITY OF  
 ATTN: IRENE ARCHULETA  
 905 12TH ST  
 LAS VEGAS NM 87701

Ship To:

LAS VEGAS, CITY OF

Purchase Order No.	Account Number	Ordered By	Job Name / Number	Ship Via	Exp. Date	Salesperson
N. GRAND EFFLUENT	AL4541401	DON COLE		BT	2/18/2015	DM
Quantity	Item Number	Description	UOM	Unit Price	Ext Price	
300	NS-DR180600R	NS C-900 PIPE 06" x 20' DR18 RECLAIM PURPLE	LF	\$3.97	\$1,191.00	
1,000	NS-DR180800R	NS C-900 PIPE 08" x 20' DR18 RECLAIM PURPLE	LF	\$6.83	\$6,830.00	
880	NS-DR181200R	NS C-900 PIPE 12" x 20' DR18 RECLAIM PURPLE	LF	\$14.46	\$12,724.80	
4	Y504	IRON YOKE 1.00" PLAIN END FORD #Y504 FOR 1" MTR	EA	\$16.07	\$64.28	
4	NSTK	1" ANGLE KEY STOP VALVE FORD # AV94-444WG-NL	Each	\$45.00	\$180.00	
4	NSTK	1' ANGLE ELL FORD #L9444G-NL	Each	\$25.00	\$100.00	
3	NS-FV43-777W-NL	NS ANGLE KEY NO LEAD METER VALVE 2" PJ-9 x MTR FLG	EA	\$199.00	\$597.00	
3	NS-LF34-77G-NL	NS FLANGE ELL NO LEAD 2.00" MTRxCTS FORD #LF34-77G-NL 2"	EA	\$115.00	\$345.00	
1	NS-FS202-0760-CC7I	NS FS202 IRON SADDLE 6" x 2' CC DBL BAND, IMPORT, 6.84 - 7.60, SS	EA	\$46.55	\$46.55	
1	NSTK	10" X 1' IRON SADDLE W/SST STRAPS FORD#FS202-1110-CC4	Each	\$64.00	\$64.00	
2	NSTK	10" X 2" IRON SADDLE W/SST STRAPS FORD#FS202-1110-CC7	Each	\$72.00	\$144.00	
1	NSTK	12" X 2" IRON SADDLE W/SST STRAPS FORD # FS202-1320-CC7	Each	\$79.00	\$79.00	
1	FAST-1320-08A	TAP SLVE SS 12"x08" STLCIS 12.75-13.20 OD	EA	\$533.00	\$533.00	
7	MBDL-W32	W32 DBL BOX COVER BASIC 18" LESS LID W/PLASTIC INNER LID FOR	EA	\$127.00	\$889.00	
7	MBDL-WA3LO	W3 & W32 SOLID TOP LID FITS FORD DOUBLE COVERS #WA3L LID PRICE INCLUDED IN ABOVE ITEM	EA	\$0.00	\$0.00	
1	MJTC-0602	MJXMJ TAPT CAP 06"x02" C-153 ASSY NOT INCLUDED WEIGHT = 30 LB	EA	\$42.00	\$42.00	
2	UFR1500-C06	MEGA LUG 6" FOR C-900 PIPE(RED) WITHOUT BOLTS	EA	\$33.00	\$66.00	

By signing I state that I am a representative of the entity listed above. I agree and accept all of the terms stated on the back of the contract. I further assure Baker Utility that if a government Type 9 NTTC has been issued to deduct taxes, that none of the property listed above is construction material as defined in Section 7-9-3.4-NMSA 1978 or will be used in a construction project. I also agree that all items above are accounted for and received in an acceptable condition, as well as true and correct.

Signature

Print Name



4320 2nd St. NW  
 Albuquerque, New Mexico 87107  
 (505) 884-0990  
 Toll Free in N.M. 1 (800) 262-9337  
 FAX (505) 881-4615

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LAS VEGAS, CITY OF

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N. GRAND EFFLUENT	AL4541401	DON COLE		BT	2/18/2015	DM
Quantity	Item Number	Description	UOM	Unit Price	Ext. Price	
2	MJPS-RG06	MJ SKIN PACK 06" REG GSK W/ T-BOLTS NO GLAND PRICE INCLUDED IN ABOVE ITEM	EA	\$0.00	\$0.00	
1	MJTC-0802	MJXMJ TAPT CAP 08"x02" C-153 ASSY NOT INCLUDED WEIGHT = 45 LB	EA	\$59.00	\$59.00	
2	UFR1500-C08	MEGA LUG 8" FOR C-900 PIPE(RED) WITHOUT BOLTS	EA	\$46.50	\$93.00	
2	MJPS-RG08	MJ SKIN PACK 08" REG GSK W/ T-BOLTS NO GLAND PRICE INCLUDED IN ABOVE ITEM	EA	\$0.00	\$0.00	
1	FFTE-1010	FLxFL TEE 10x10 DI C110	EA	\$435.00	\$435.00	
1	NSTK	12" X10" MJ X FL REDUCER	Each	\$395.00	\$395.00	
3	FBGS-10	FLANGE BOLT/GSK SET 10"	EA	\$19.50	\$58.50	
19	UFR1500-C12	MEGA LUG 12" FOR C-900 PIPE (RED) WITHOUT BOLTS	EA	\$77.00	\$1,463.00	
19	MJPS-RG12	MJ SKIN PACK 12" REG GSK W/ T-BOLTS NO GLAND PRICE INCLUDED IN ABOVE ITEM	EA	\$0.00	\$0.00	
1	NSTK	12" X 6" FLG X MJ REDUCER	Each	\$285.00	\$285.00	
2	MJFB-1212	MJXMJ 45 BEND 12" CL-153 ASSY NOT INCLUDED BILLING WEIGHT=24	EA	\$184.00	\$368.00	
1	MJNB-1212	MJXMJ 90 BEND 12" CL-153 ASSY NOT INCLUDED BILLING WEIGHT=24	EA	\$220.00	\$220.00	
1	MJTE-1212	MJXMJ TEE 12"x12" TEE C-153 ASSY NOT INCLUDED BILLING WEIGHT=24	EA	\$350.00	\$350.00	
2	MJFA-1212	MJXFL FL ADAPTER 12" C-153 ASSY NOT INCLUDED	EA	\$200.00	\$400.00	
2	FBGS-12	FLANGE BOLT/GSK SET 12" PRICE INCLUDED IN ABOVE ITEM	EA	\$0.00	\$0.00	

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 LAS VEGAS NM 87701

LAS VEGAS, CITY OF

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N. GRAND EFFLUENT	AL4541401	DON COLE		BT	2/18/2015	DM
Quantity	Item Number	Description	UOM	Unit Price	Ext. Price	
1	GVRW-MM060	RW GATE VALVE 06.0" MJxMJ OL 2" NUT LESS ASSY	EA	\$455.00	\$455.00	
2	GVRW-MM080	RW GATE VALVE 08.0" MJxMJ OL 2" NUT LESS ASSY	EA	\$730.00	\$1,460.00	
1	GVRW-MF080	RW GATE VALVE 08.0" MJxFL OL 2" NUT LESS ASSY	EA	\$735.00	\$735.00	
2	GVRW-MF100	RW GATE VALVE 10.0" MJxFL OL 2" NUT LESS ASSY	EA	\$1,200.00	\$2,400.00	
6	VBTY-16T	VLV BOX TOP IMPORT SCREW 16T 5-1/4" LESS LID	EA	\$19.00	\$114.00	
6	VBTY-36B	VLV BOX BOT IMPORT SCREW 36B 5-1/4"	EA	\$37.00	\$222.00	
6	VBTY-DLW	VLV BOX DROP LID "WATER" TYLER 5-1/4" IMPORT	EA	\$9.00	\$54.00	
3	MTD-R3100	DETECTABLE TAPE 3x1000' R PURPLE "RECLAIM"	RL	\$23.00	\$69.00	
5	NS-TW12500PRPL	NS TRACE WIRE 12 GAUGE PURPLE 500' SPOOL	RL	\$75.00	\$375.00	

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Subtotal	\$33,906.13
Misc	\$0.00
Tax	\$2,373.44
Freight	\$0.00
Trade Discount	\$0.00
Total	\$36,279.57

Signature

Print Name

**REQUEST FOR BIDS**

The City of Las Vegas, New Mexico will open Sealed Bids at 2:00 p.m., Feb. 19, 2015 at the City Council Chambers, 1700 North Grand Avenue, Las Vegas, New Mexico, or other designated area at the City Offices; ON THE FOLLOWING:

North Grand Effluent Project Material

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ELMER J. MARTINEZ, ACTING CITY MANAGER

Cassandra Fresquez  
CASANDRA FRESQUEZ, CITY CLERK

Ann M. Gallegos  
ANN M. GALLEGOS, FINANCE DIRECTOR

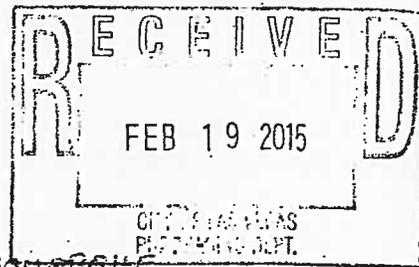
June Tafuya-Cordova  
JUNE TAFUYA-CORDOVA, PURCHASING OFFICER

Opening No. 2015-21

Date Issued: 2.4.15

Date Issued: Published: Albuquerque Journal February 8, 2015  
Las Vegas Optic February 9, 2015  
City website: www.lasvegasnm.gov

BIDDER INFORMATION



BIDDER: FERGUSON WATERWORKS - ASSESSOR

AUTHORIZED AGENT: FRED D. SMITH

ADDRESS: 801 CANDELARIA NE

TELEPHONE NUMBER (505) 449-4900

FAX NUMBER (505) 341-1755

DELIVERY: 3-6 WEEKS ARO

STATE PURCHASING RESIDENT CERTIFICATION NO.: 02-306826-00-4

NEW MEXICO CONTRACTORS LICENSE NO.: \_\_\_\_\_

BID ITEM (S): North Grand Effluent Project Material

ITEM (S) UNDER THIS BID ARE TO BE F.O.B. LAS VEGAS, NEW MEXICO 87701. THE CITY OF LAS VEGAS RESERVES THE RIGHT REJECT ANY OR ALL BIDS AND TO WAIVE ANY TECHNICAL IRREGULARITY IN THE FORM OF THE BID.

AFFIDAVIT FOR FILING WITH COMPETITIVE BID

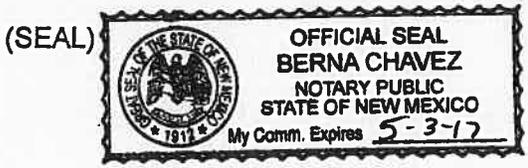
STATE OF New Mexico

COUNTY OF San Miguel

I Fred D. Smith, of lawful age, being of first duly sworn in oath, say that I am the agent authorized by the bidder to submit the attached bid. Affiant further states that the bidder has not been a party to any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding; or with any city official or employee as to the terms of said prospective contract, or any other terms of said prospective contract; or in any discussion between bidders with any city official concerning an exchange of money or any other thing of value for special consideration in the letting of a contract.

Fred D. Smith  
Signature

Subscribed and sworn to before me, this 17<sup>th</sup> day of February, 2015.



Berna Chavez  
Notary Public Signature  
My Commission Expires: May 3, 2017

## STANDARD BID CLAUSES

### AWARDED BID

Awarding of Bid shall be made to the responsible Bidder whose Bid meets the required specifications. The City of Las Vegas (City) reserves the right to reject or accept any of all Bid specifications and to waive any insubstantial irregularity in the form of the Bid.

The City of Las Vegas may make multiple awards of the bid, to those bidding in law enforcement related services. The City Reserves the right to award the bid to the most advantageous Bidder to the City.

### TIMETABLE

Bids pursuant to this request must be received at the City Clerk's Office at 1700 North Grand Avenue, Las Vegas, New Mexico, on or before 2:00 pm, Feb 19, 2015 at which time all bids received will be opened. An opening will occur at the City's Council Chambers or other designated area at the City Offices. Awarding of Bid is projected for Feb/March, 2015. The successful Bidder will be notified by mail.

### ENVELOPES

Sealed Bid envelopes shall be clearly marked on the lower left-hand corner, identified by the Bid Name and Opening Number. Failure to comply with this requirement may result in the rejection of your submitted Bid. Enclose one (1) original and two (2) copies of Bid.

### BRIBERY AND KICKBACK

The Procurement Code of New Mexico; (Section 13-1-28 through 13-1-99 N.M.S.A. 1978), impose a third degree felony penalty for bribery of a public official or public employee. In addition the New Mexico Criminal Statutes (Section 30-4-1, N.M.S.A. 1978): state that it is a third degree felony to commit the offense of demanding or receiving a bribe by a public official of public employee. And (Section 30-24-2, N.M.S.A. 1978): it is a fourth degree felony to commit the offense of soliciting or receiving illegal kickbacks. Also (Section 30-41-1 through 30-41-3, N.M.S.A. 1978): states that it is a fourth degree felony to commit the offense of offering or paying illegal kickbacks.

### NON-COLLUSION

In signing their Bid and Affidavit, the Bidder certifies that he/she has not, either directly or indirectly entered into action of restraint of free competition, in the connection with the submitted bid.

### RESPONSIBILITY OF BIDDER

At all times it shall be the responsibility of the Bidder to see their bid is delivered to the City Clerk by the Date and Time scheduled for opening. If the mail or delivery of said Bid is delayed beyond the scheduled opening date and time set, bid this delayed will not be considered.

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FEDERAL TAX IDENTIFICATION NUMBER

Pursuant to IRS requirements, Bidder shall provide their Federal Tax ID Number if Bidder is incorporated. If Bidder is a sole proprietorship or partnership then they shall provide their Social Security Number.

FEDERAL TAX ID NUMBER: 54-1211771  
SOCIAL SECURITY NUMBER: \_\_\_\_\_

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NEW MEXICO TAX IDENTIFICATION NO. (CRS): 02-306826-00-4

## CAMPAIGN CONTRIBUTION DISCLOSURE FORM

The Bidder shall submit a completed Campaign Contribution Disclosure Form Pursuant to Chapter 81, Laws of 2006.

### COMMERCIAL WARRANTY

The Bidder agrees that the products or services furnished under a Purchase Order shall be covered by the most favorable commercial warranties that the Bidder gives to any customer for such products or services. And that the rights and remedies provided therein shall extend to the City and are in addition to and do not limit any rights afforded to the City by any other clause of its Purchase Order. Bidder agrees not to disclaim warranties of fitness for any particular purpose or merchantability.

Furthermore, Bidder agrees that its warranty for all products furnished under a Purchase Order pursuant to this Call for Bids shall be for a period of one year following the installation of said products by others. Also a receipt of a notice by the City's Engineer the products have been installed correctly and have been demonstrated to be capable of performing their intended function.

### SPECIAL NOTICE

To preclude possible errors and/or misinterpretations, bid prices must be affixed in ink or typewritten legibly. Enclose one (1) original and two (2) copies of Bid documents.

### DEFAULT

The City reserves the right to cancel all or any part of an order without cost to the City if the Bidder fails to meet the provisions of the City's Purchase Order or the product specifications and to hold the Bidder liable for any excess costs occasioned due to the Bidder's default. The Bidder shall not be liable for any excess costs if failure to perform on an order arises out of cause beyond the control and without fault or negligence of the Bidder. Such causes include, but are not restricted to, acts of God or public enemy; acts of State or Federal Government; fires, floods, epidemics, quarantine restrictions, strikes, embargoes, unusually severe weather, or defaults of subcontractors. Due to any of the above unless the City shall determine that the supplies or services to be furnished by the subcontractor are obtainable from other sources in the City in this paragraph shall not be exclusive and are in addition to any other rights now being provided by law.

### BID PROTESTS

If any Bidder is of the opinion that the specifications as written preclude him/her from submitting a bid. His/her opinion should be made known to the Department involved in this bid request at least twelve (12) days prior to the scheduled bid opening date with a copy forwarded to the Finance Department. Bid protests will not be considered from parties which do not also furnish satisfactory documentation with their protest that their proposed system fully meets the functional intent of the TECHNICAL SPECIFICATIONS which accompany a Call for Bids.

### NON-EXCLUSION.

Specifications of the bid request are not meant to exclude any Bidder or Manufacturer. Where a brand name or equal is indicated, it is for the purpose of describing the standard of quality, performance and characteristics desired and is not intended to restrict competition. "No Substitute" specifications may be authorized, only if required to match existing equipment.

If any Bidder is of the opinion that the specifications as written preclude him/her from submitting a bid. His/her opinion should be made known to the Department involved in this bid request at least five (5) days prior to the scheduled bid opening date; with a copy forwarded to the Finance Department.

Brand names and numbers are for reference only and equivalents will be considered. If bidding "EQUIVALENT" Bidder must be prepared to furnish complete data upon request, preferably with the bid to avoid awarding delay.

### CONTRACT

When the City issues a Purchase Order in response to an awarded Bid a binding contract is created (unless a specified contract has been created).

### TERMINATION

This Price Agreement may be terminated by either party upon signing a written notice to the other party at least thirty (30) days in advance of the date of termination. Notice of termination of this Price Agreement shall not affect any outstanding orders.

### TAXES

Bidder must pay all applicable taxes.

### NOTE:

If bidder is from outside the City of Las Vegas, the successful bidder must pay Gross Receipts in the City of Las Vegas.

CITY OF LAS VEGAS

BID FORM

BID ITEM(S): North Grand Effluent Project Materials

	Item	Unit	Qty	Price Each	Net Price
A	6" PVC C-900 (purple)	FT	300	4.12	1,236.00
B	8" PVC C-900 (purple)	FT	1000	7.14	7,140.00
C	12" PVC C-900 (purple)	FT	880	15.12	13,305.60
D	1" meter yoke	EA	4	17.437	69.75
E	1" angle stop valve	EA	4	80.335	321.34
F	1" angle ell	EA	4	24.368	97.47
G	2" angle stop valve	EA	3	203.704	611.11
H	2" angle ell	EA	3	89.699	269.10
I	6" x 2" Saddle tap - stainless	EA	1	58.69	58.69
J	10" x 1" Saddle tap - stainless	EA	1	76.762	76.76
K	10" x 2" Saddle tap - stainless	EA	2	87.792	175.58
L	12" x 2" saddle tap - stainless	EA	1	101.707	101.71
M	12" x 8" saddle tap - stainless	EA	1	651.840	651.84
N	18" meter riser with lid	EA	7	130.000	910.00
O	6" Cap - MJ w/2" threaded port	EA	1	42.510	42.51
P	6" megalug, bolt and gskt kit	EA	2	43.193	86.39
Q	8" Cap - MJ w/2" thread port	EA	1	59.405	59.41
R	8" megalug, bolt and gskt kit	EA	2	58.228	116.46
S	10"x10"x10" Tee - flange	EA	1	431.64	431.64
T	10" flange - 12" MJ Reducer	EA	1	428.37	428.37
U	10" flange bolt and gskt kit	EA	3	30.737	92.21
V	12" megalug, bolt and gskt kit	EA	19	106.917	2031.42
W	12" flange - 6" MJ Reducer		1	335.72	335.72
X	12" 45 deg ell - MJ	EA	2	170.04	340.08
Y	12" 90 deg ell - MJ	EA	1	205.465	205.47
Z	12"x12"x12" Tee	EA	1	286.125	286.13
AA	12" MJ-Flange adapter, bolt, gskt	EA	2	318.274	636.54
AB	6" Gate Valve - MJ	EA	1	492.69	492.69
AC	8" Gate Valve - MJ/MJ	EA	2	784.74	1,569.48
AD	8" Gate Valve - Flange/MJ	EA	1	769.89	769.89
AE	10" Gate Valve MS	EA	2	1,223.64	2,447.28
AF	Valve can - top	EA	6	20.28	121.68
AG	Valve can - bottom	EA	6	36.66	219.96
AH	Valve can - lid (Reclaimed)	EA	6	10.80	64.80
AI	Burial tape - effluent/reclaimed 3" x 1/2" x 500'	FT	3000	26.928	80.78
AJ	Tracer wire - purple 1/2" dia x 500'	FT	2500	137.603	344.01
	Shipping				
	Tax				2,535.95
	Total:				38,763.82

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## CAMPAIGN CONTRIBUTION DISCLOSURE FORM

Pursuant to Chapter 81, Laws of 2006, any prospective contractor seeking to enter into a contract with any state agency or local public body must file this form with that state agency or local public body. The prospective contractor must disclose whether they, a family member or a representative of the prospective contractor has made a campaign contribution to an applicable public official of the state or a local public body during the two years prior to the date on which the contractor submits a proposal or, in the case of a sole source or small purchase contract, the two years prior to the date the contractor signs the contract, if the aggregate total of contributions given by the prospective contractor, a family member or a representative of the prospective contractor to the public official exceeds two hundred and fifty dollars (\$250) over the two year period.

**THIS FORM MUST BE FILED BY ANY PROSPECTIVE CONTRACTOR WHETHER OR NOT THEY, THEIR FAMILY MEMBER, OR THEIR REPRESENTATIVE HAS MADE ANY CONTRIBUTIONS SUBJECT TO DISCLOSURE.**

The following definitions apply:

"Applicable public official" means a person elected to an office or a person appointed to complete a term of an elected office, who has the authority to award or influence the award of the contract for which the prospective contractor is submitting a competitive sealed proposal or who has the authority to negotiate a sole source or small purchase contract that may be awarded without submission of a sealed competitive proposal.

"Campaign Contribution" means a gift, subscription, loan, advance or deposit of money or other thing of value, including the estimated value of an in-kind contribution, that is made to or received by an applicable public official or any person authorized to raise, collect or expend contributions on that official's behalf for the purpose of electing the official to either statewide or local office. "Campaign Contribution" includes the payment of a debt incurred in an election campaign, but does not include the value of services provided without compensation or unreimbursed travel or other personal expenses of individuals who volunteer a portion or all of their time on behalf of a candidate or political committee, nor does it include the administrative or solicitation expenses of a political committee that are paid by an organization that sponsors the committee.

"Contract" means any agreement for the procurement of items of tangible personal property, services, professional services, or construction.

"Family member" means spouse, father, mother, child, father-in-law, mother-in-law, daughter-in-law or son-in-law.

"Pendency of the procurement process" means the time period commencing with the public notice of the request for proposals and ending with the award of the contract or the cancellation of the request for proposals.

"Person" means any corporation, partnership, individual, joint venture, association or any other private legal entity.

"Prospective contractor" means a person who is subject to the competitive sealed

proposal process set forth in the Procurement Code or is not required to submit a competitive sealed proposal because that person qualifies for a sole source or a small purchase contract.

"Representative of a prospective contractor" means an officer or director of a corporation, a member or manager of a limited liability corporation, a partner of a partnership or a trustee of a trust of the prospective contractor.

**DISCLOSURE OF CONTRIBUTIONS:**

Contribution Made By: \_\_\_\_\_

Relation to Prospective Contractor: \_\_\_\_\_

Name of Applicable Public Official: \_\_\_\_\_

Date Contribution(s) Made: \_\_\_\_\_

Amount(s) of Contribution(s) \_\_\_\_\_

Nature of Contribution(s) \_\_\_\_\_

Purpose of Contribution(s) \_\_\_\_\_

(The above fields are unlimited in size) \_\_\_\_\_

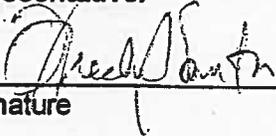
\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Title (position)

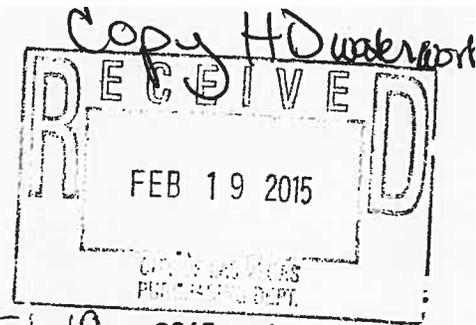
-OR-

**NO CONTRIBUTIONS IN THE AGGREGATE TOTAL OVER TWO HUNDRED FIFTY DOLLARS (\$250) WERE MADE to an applicable public official by me, a family member or representative.**

  
\_\_\_\_\_  
Signature

2/17/2015  
\_\_\_\_\_  
Date

MUNICIPAL SACS  
\_\_\_\_\_  
Title (Position)



**REQUEST FOR BIDS**

The City of Las Vegas, New Mexico will open Sealed Bids at 2:00 p.m. Feb 19, 2015 at the City Council Chambers, 1700 North Grand Avenue, Las Vegas, New Mexico, or other designated area at the City Offices; ON THE FOLLOWING:

North Grand Effluent Project Material

The BIDDING FORMS AND TECHNICAL SPECIFICATIONS may be examined at the following location: 1700 N. GRAND AVE. LAS VEGAS, NM 87701

Copies of the BIDDING FORMS AND TECHNICAL SPECIFICATIONS may be obtained at the office of: 1700 N. GRAND AVE. LAS VEGAS, NM 87701

Mailed Bids should be addressed to the City Clerk, 1700 N. Grand Ave., Las Vegas, New Mexico 87701; with the envelope marked: N. GRAND EFFLUENT PROJECT, Opening No. 2015-21; on the lower left-hand corner of the submitted envelope. It shall be the responsibility of the bidder to see that their bid is delivered to the City Clerk by the date and time set for the bid request. If the mail or delivery of bid request is delayed beyond the opening date and time, bid thus delayed will not be considered. A public opening will be held and any bidder or their authorized representative is invited to attend.

The City of Las Vegas reserves the right to reject any/or all bids submitted.

CITY OF LAS VEGAS,

Elmer J. Martinez  
ELMER J. MARTINEZ, ACTING CITY MANAGER

Cassandra Fresquez  
CASANDRA FRESQUEZ, CITY CLERK

Ann M. Gallegos  
ANN M. GALLEGOS, FINANCE DIRECTOR

June Tafuya-Cordova  
JUNE TAFOYA-CORDOVA, PURCHASING OFFICER

Opening No. 2015-21

Date Issued: 2-4-15

Date Issued: Published:

Albuquerque Journal February 8, 2015  
Las Vegas Optic February 9, 2015  
City website: [www.lasvegasnm.gov](http://www.lasvegasnm.gov)

## STANDARD BID CLAUSES

### AWARDED BID

Awarding of Bid shall be made to the responsible Bidder whose Bid meets the required specifications. The City of Las Vegas (City) reserves the right to reject or accept any of all Bid specifications and to waive any insubstantial irregularity in the form of the Bid.

The City of Las Vegas may make multiple awards of the bid, to those bidding in law enforcement related services. The City Reserves the right to award the bid to the most advantageous Bidder to the City.

### TIMETABLE

Bids pursuant to this request must be received at the City Clerk's Office at 1700 North Grand Avenue, Las Vegas, New Mexico, on or before 2:00 pm, Feb 19, 2015 at which time all bids received will be opened. An opening will occur at the City's Council Chambers or other designated area at the City Offices. Awarding of Bid is projected for Feb/March, 2015. The successful Bidder will be notified by mail.

### ENVELOPES

Sealed Bid envelopes shall be clearly marked on the lower left-hand corner, identified by the Bid Name and Opening Number. Failure to comply with this requirement may result in the rejection of your submitted Bid. Enclose one (1) original and two (2) copies of Bid.

### BRIBERY AND KICKBACK

The Procurement Code of New Mexico; (Section 13-1-28 through 13-1-99 N.M.S.A. 1978), impose a third degree felony penalty for bribery of a public official or public employee. In addition the New Mexico Criminal Statutes (Section 30-4-1, N.M.S.A. 1978): state that it is a third degree felony to commit the offense of demanding or receiving a bribe by a public official of public employee. And (Section 30-24-2, N.M.S.A. 1978): it is a fourth degree felony to commit the offense of soliciting or receiving illegal kickbacks. Also (Section 30-41-1 through 30-41-3, N.M.S.A. 1978): states that it is a fourth degree felony to commit the offense of offering or paying illegal kickbacks.

### NON-COLLUSION

In signing their Bid and Affidavit, the Bidder certifies that he/she has not, either directly or indirectly entered into action of restraint of free competition, in the connection with the submitted bid.

### RESPONSIBILITY OF BIDDER

At all times it shall be the responsibility of the Bidder to see their bid is delivered to the City Clerk by the Date and Time scheduled for opening. If the mail or delivery of said Bid is delayed beyond the scheduled opening date and time set, bid this delayed will not be considered.

**CLARIFICATION OF BID**

Bidder requiring clarification or interpretation of Bid specifications shall make a written request to the Department involved in this bid request at least five (5) days prior to the scheduled bid opening date with a copy forwarded to the Finance Department. Any interpretation, corrections or changes of said Bid Specifications, Opening Date, or Time Change will be made by Addendum only. Interpretations, Corrections or changes of said bid made in any other manner will not be binding and the Bidder shall not rely upon such interpretation, corrections and changes.

**MODIFICATION OF BID**

Bids may be withdrawn upon receipt of written request prior to the scheduled bid opening for the purpose of making any corrections or changes. Such corrections must be properly identified and signed or initialed by the Bidder. Resubmission must be prior to the scheduled bid opening time in order to be considered. After bid opening, no price modifications of submitted bids or other provisions shall be permitted.

**WITHDRAWAL OF BID**

A low Bidder alleging a material mistake of fact, after bids have been opened may request their bid be withdrawn upon receipt of a written request to the Finance Department prior to the scheduled awarding date.

**INSPECTION**

Final inspection and acceptance will be made at the City's destination. Products rejected for nonconformance with the specifications shall be removed by the Bidder, at his/her risk and expense promptly after notice of rejection.

**FEDERAL TAX IDENTIFICATION NUMBER**

Pursuant to IRS requirements, Bidder shall provide their Federal Tax ID Number if Bidder is incorporated. If Bidder is a sole proprietorship or partnership then they shall provide their Social Security Number.

FEDERAL TAX ID NUMBER: 03-0550887  
SOCIAL SECURITY NUMBER: \_\_\_\_\_

**NEW MEXICO TAX IDENTIFICATION NUMBER**

Payment may be withheld under (Section 7-10-5, N.M.S.A. 1978) if you are subject to New Mexico Gross Receipts Tax and have not registered for a New Mexico (CRS) Tax Identification Number. Contact the New Mexico Taxation & Revenue Department at (505) 827-0700 for registering instructions.

NEW MEXICO TAX IDENTIFICATION NO. (CRS): 03-031498-004

## CAMPAIGN CONTRIBUTION DISCLOSURE FORM

The Bidder shall submit a completed Campaign Contribution Disclosure Form Pursuant to Chapter 81, Laws of 2006.

### COMMERCIAL WARRANTY

The Bidder agrees that the products or services furnished under a Purchase Order shall be covered by the most favorable commercial warranties that the Bidder gives to any customer for such products or services. And that the rights and remedies provided therein shall extend to the City and are in addition to and do not limit any rights afforded to the City by any other clause of its Purchase Order. Bidder agrees not to disclaim warranties of fitness for any particular purpose or merchantability.

Furthermore, Bidder agrees that its warranty for all products furnished under a Purchase Order pursuant to this Call for Bids shall be for a period of one year following the installation of said products by others. Also a receipt of a notice by the City's Engineer the products have been installed correctly and have been demonstrated to be capable of performing their intended function.

### SPECIAL NOTICE

To preclude possible errors and/or misinterpretations, bid prices must be affixed in ink or typewritten legibly. Enclose one (1) original and two (2) copies of Bid documents.

### DEFAULT

The City reserves the right to cancel all or any part of an order without cost to the City if the Bidder fails to meet the provisions of the City's Purchase Order or the product specifications and to hold the Bidder liable for any excess costs occasioned due to the Bidder's default. The Bidder shall not be liable for any excess costs if failure to perform on an order arises out of cause beyond the control and without fault or negligence of the Bidder. Such causes include, but are not restricted to, acts of God or public enemy; acts of State or Federal Government; fires, floods, epidemics, quarantine restrictions, strikes, embargoes, unusually severe weather, or defaults of subcontractors. Due to any of the above unless the City shall determine that the supplies or services to be furnished by the subcontractor are obtainable from other sources in the City in this paragraph shall not be exclusive and are in addition to any other rights now being provided by law.

### BID PROTESTS

If any Bidder is of the opinion that the specifications as written preclude him/her from submitting a bid. His/her opinion should be made known to the Department involved in this bid request at least twelve (12) days prior to the scheduled bid opening date with a copy forwarded to the Finance Department. Bid protests will not be considered from parties which do not also furnish satisfactory documentation with their protest that their proposed system fully meets the functional intent of the TECHNICAL SPECIFICATIONS which accompany a Call for Bids.

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### CONTRACT

When the City issues a Purchase Order in response to an awarded Bid a binding contract is created (unless a specified contract has been created).

### TERMINATION

This Price Agreement may be terminated by either party upon signing a written notice to the other party at least thirty (30) days in advance of the date of termination. Notice of termination of this Price Agreement shall not affect any outstanding orders.

### TAXES

Bidder must pay all applicable taxes.

### NOTE:

If bidder is from outside the City of Las Vegas, the successful bidder must pay Gross Receipts in the City of Las Vegas.

**BIDDER INFORMATION**

BIDDER: HD Supply Waterworks

AUTHORIZED AGENT: Terri Baker

ADDRESS: 6135 5th St. NW

TELEPHONE NUMBER (505) 344-0223

FAX NUMBER (505) 344-0350

DELIVERY: \_\_\_\_\_

STATE PURCHASING RESIDENT CERTIFICATION NO.: L0784116032

NEW MEXICO CONTRACTORS LICENSE NO.: \_\_\_\_\_

BID ITEM (S): North Grand Effluent Project Material

ITEM (S) UNDER THIS BID ARE TO BE F.O.B. LAS VEGAS, NEW MEXICO 87701. THE CITY OF LAS VEGAS RESERVES THE RIGHT REJECT ANY OR ALL BIDS AND TO WAIVE ANY TECHNICAL IRREGULARITY IN THE FORM OF THE BID.

**AFFIDAVIT FOR FILING WITH COMPETITIVE BID**

STATE OF New Mexico

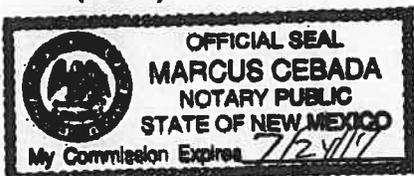
COUNTY OF Sandoval

I Terresa Baker, of lawful age, being of first duly sworn in oath, say that I am the agent authorized by the bidder to submit the attached bid. Affiant further states that the bidder has not been a party to any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding; or with any city official or employee as to the terms of said prospective contract, or any other terms of said prospective contract; or in any discussion between bidders with any city official concerning an exchange of money or any other thing of value for special consideration in the letting of a contract.

Terresa Baker  
Signature

Subscribed and sworn to before me, this 19 day of Feb, 2015.

(SEAL)



[Signature]  
Notary Public Signature  
My Commission Expires: 7/24/17

# STATE OF NEW MEXICO

TAXATION AND REVENUE DEPARTMENT

## RESIDENT BUSINESS CERTIFICATE

Issued to: HUGHES WATER & SEWER LTD  
DBA: HD SUPPLY WATERWORKS, LTD.  
PO BOX 1713  
ORLANDO, FL 32802-1713

Expires: **19-Jan-2015**

Please verify current status of Certificate by contacting Taxation and Revenue Department

Pursuant to Sections 13-1-21 and 13-1-22 NMSA 1978 the Person or Business Named Herein has met the statutory requirements and has been awarded a Resident Business Certificate.

Certificate Number:

**L0784116032**



Demesia Padilla, CPA, Cabinet Secretary

THIS CERTIFICATE IS NOT TRANSFERABLE

CITY OF LAS VEGAS

BID FORM

BID ITEM (S): North Grand Effluent Project Materials

	Item	Unit	Qty	Price Each	Net Price
A	6" PVC C-900 (purple)	FT	300	3.85	1155.00
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K	10" x 2" Saddle tap - stainless	EA	2	91.93	183.86
L	12" x 2" saddle tap - stainless	EA	1	105.66	105.66
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AG	Valve can - bottom	EA	6	34.56	207.36
AH	Valve can - lid (Reclaimed)	EA	6	8.33	49.98
AI	Burial tape - effluent/reclaimed <sup>IB</sup>	RL	3	14.94	44.82
AJ	Tracer wire - purple <sup>IB</sup>	FT	<sup>5000</sup> 2180	.24	720.00
	Shipping			N/A	
	Tax				2495.35
	Total:				37,825.27

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## CAMPAIGN CONTRIBUTION DISCLOSURE FORM

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proposal process set forth in the Procurement Code or is not required to submit a competitive sealed proposal because that person qualifies for a sole source or a small purchase contract.

"Representative of a prospective contractor" means an officer or director of a corporation, a member or manager of a limited liability corporation, a partner of a partnership or a trustee of a trust of the prospective contractor.

**DISCLOSURE OF CONTRIBUTIONS:**

Contribution Made By: \_\_\_\_\_

Relation to Prospective Contractor: \_\_\_\_\_

Name of Applicable Public Official: \_\_\_\_\_

Date Contribution(s) Made: \_\_\_\_\_

Amount(s) of Contribution(s) \_\_\_\_\_

Nature of Contribution(s) \_\_\_\_\_

Purpose of Contribution(s) \_\_\_\_\_

(The above fields are unlimited in size) \_\_\_\_\_

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Title (position)

-OR-

**NO CONTRIBUTIONS IN THE AGGREGATE TOTAL OVER TWO HUNDRED FIFTY DOLLARS (\$250) WERE MADE to an applicable public official by me, a family member or representative.**

  
\_\_\_\_\_  
Signature

February 18, 2015  
\_\_\_\_\_  
Date

Account Manager  
\_\_\_\_\_  
Title (Position)

CITY OF LAS VEGAS  
 STOCK-ALBUQUERQUE  
 ATTN: CARMEN TAFOYA  
 1700 N GRAND AVE  
 LAS VEGAS NM 87701  
 Telephone: 505-454-1401  
 Fax: 505-425-7335

ALBUQUERQUE-E NM  
 6135 Second Street NW  
 Albuquerque NM 87107  
 Telephone: 505-344-0223  
 Fax: 505-344-0350

Attention: DON COLE

2/19/15 Bid ID: 4095276 LAS VEGAS - NORTH GRAND EFFLUENT

Page 1

Line	Quantity	Sell Per	Description	Net Price	Extended Price
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HD SUPPLY WATERWORKS  
 6135 SECOND ST. NW.  
 ALBUQUERQUE N.M. 87107  
 505-344-0223 FAX 505-836-6033

PROJECT: NORTH GRAND EFFLUENT  
 PROJ MAT'L 2015-21

LOCATION: LAS VEGAS, NM

BID DATE: 2/19/15 @ 2PM

F.O.B.: DESTINATION

Bid Item A

150	300	FT	6 C900 DR18 PVC PURPLE PIPE MARKINGS PC150 OR PC235	3.85	1,155.00
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Bid Item Sub-total: 1,155.00

Bid Item B

170	1000	FT	8 C900 DR18 PVC PURPLE PIPE MARKINGS PC150 OR PC235	6.66	6,660.00
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Bid Item Sub-total: 6,660.00

Bid Item C

190	880	FT	12 C900 DR18 PVC PURPLE PIPE MARKINGS PC150 OR PC235	14.11	12,416.80
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Bid Item Sub-total: 12,416.80

Bid Item D

CITY OF LAS VEGAS  
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Attention: DON COLE

2/19/15 Bid ID: 4095276 LAS VEGAS - NORTH GRAND EFFLUENT

Page 2

Line	Quantity	Sell Per	Description	Net Price	Extended Price
210	4	EA	H5040 1 IRON YOKE BAR NO LEAD	15.57	62.28
<b>Bid Item Sub-total:</b>					<b>62.28</b>
		<u>Bid Item</u> E			
230	4	EA	H14273N 1 AMV CTSXLN AMV NO LEAD	48.90	195.60
<b>Bid Item Sub-total:</b>					<b>195.60</b>
		<u>Bid Item</u> F			
260	4	EA	L94-44DNL 1 YOKE 90 MTRXPJ(CTS ) W/DRAIN (NO LEAD)	34.28	137.12
<b>Bid Item Sub-total:</b>					<b>137.12</b>
		<u>Bid Item</u> G			
280	3	EA	H14277N 2 AMV CTSXFLG W/LW ANGLE MTR VLV NO LEAD	169.38	508.14
<b>Bid Item Sub-total:</b>					<b>508.14</b>
		<u>Bid Item</u> H			
300	3	EA	LF34-77G-NL 2" FLG MTR 90 2" CTS GRIP JOINT	88.71	266.13
<b>Bid Item Sub-total:</b>					<b>266.13</b>

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2/19/15 Bid ID: 4095276 LAS VEGAS - NORTH GRAND EFFLUENT

Page 3

Line	Quantity	Sell Per	Description	Net Price	Extended Price
<b><u>Bid Item I</u></b>					
320	1	EA	DR2S0659CC200 D/S SAD 6X2CC 6.59-7.37 DOUBLE STRAP STAINLESS STEEL, NYLON COATED	66.04	66.04
<b>Bid Item Sub-total:</b>					<b>66.04</b>
<b><u>Bid Item J</u></b>					
340	1	EA	DR2S1110CC100 D/S SAD 10X1CC 11.10 OD DOUBLE STRAP, STAINLESS STEEL, NYLON COATED	79.24	79.24
<b>Bid Item Sub-total:</b>					<b>79.24</b>
<b><u>Bid Item K</u></b>					
360	2	EA	DR2S1110CC200 D/S SAD 10X2CC 11.10 OD DOUBLE STRAP, STAINLESS STEEL, NYLON COATED	91.93	183.86
<b>Bid Item Sub-total:</b>					<b>183.86</b>
<b><u>Bid Item L</u></b>					
380	1	EA	DR2S1262CC200 D/S SAD 12X2CC 12.62-14.38 DOUBLE STRAP, STAINLESS STEEL, NYLON COATED	105.66	105.66
<b>Bid Item Sub-total:</b>					<b>105.66</b>
<b><u>Bid Item M</u></b>					

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2/19/15 Bid ID: 4095276 LAS VEGAS - NORTH GRAND EFFLUENT

Page 4

Line	Quantity	Sell Per	Description	Net Price	Extended Price
400	1	EA	462-1320-8 12X8 SS TAP SLV JCM 13.10-13.50 OD CARBON STL FLG	932.61	932.61

Bid Item Sub-total:

932.61

Bid Item N

420	7	EA	18X30 GALV METER CAN	123.54	864.78
430	7	EA	CASTING SINC W32 FROST PROOF MTR BOX SOLID COVER COMPLETE	73.20	512.40

Bid Item Sub-total:

1,377.18

Bid Item O

440	1	EA	6X2 MJ TAPT CAP (I) CP DI C153	43.68	43.68
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Bid Item Sub-total:

43.68

Bid Item P

460	2	EA	6 EBAA MEGALUG C900&IPS 2006PV RED	25.71	51.42
470	2	EA	6 MJ BOLT & GSKT KIT	11.19	22.38
480	2	EA	6 MJ REGULAR GASKET F/DI		
490	12	EA	3/4X3-1/2 COR-TEN T-HEAD B&N		

Bid Item Sub-total:

73.80

Bid Item Q

500	1	EA	8X2 MJ TAPT CAP (I) CP DI C153	61.04	61.04
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Bid Item Sub-total:

61.04

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2/19/15 Bid ID: 4095276 LAS VEGAS - NORTH GRAND EFFLUENT

Page 5

Line	Quantity	Sell Per	Description	Net Price	Extended Price
			<u>Bid Item</u> R		
520	2	EA	8 EBAA MEGALUG C900&IPS 2008PV RED	38.04	76.08
530	2	EA	8 KIT MJ BOLT & GSKT	11.79	23.58
540	2	EA	8 MJ REGULAR GASKET F/DI		
550	12	EA	3/4X4 COR-TEN T-HEAD B&N		
Bid Item Sub-total:					99.66
			<u>Bid Item</u> S		
560	1	EA	10X10 FLG TEE (I) C/L PRIMED DI C110	447.04	447.04
Bid Item Sub-total:					447.04
			<u>Bid Item</u> T		
580	1	EA	12X10 FLG CONC REDUCER(I) C/L DI C110	330.20	330.20
960	1	EA	12X1/8 FLG FF RR GASKET	5.34	5.34
970	1	EA	12 BLK HEX BOLT & NUT KIT	17.35	17.35
590	1	EA	12 MJXFLG ADPT (I) CP DI C153	183.68	183.68
Bid Item Sub-total:					536.57
			<u>Bid Item</u> U		
600	3	EA	10X1/8 FLG FF RR GASKET	3.78	11.34
610	3	EA	10 BLK HEX BOLT & NUT KIT	17.35	52.05
Bid Item Sub-total:					63.39
			<u>Bid Item</u> V		

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2/19/15 Bid ID: 4095276 LAS VEGAS - NORTH GRAND EFFLUENT

Page 6

Line	Quantity	Sell Per	Description	Net Price	Extended Price
620	19	EA	12 EBAA MEGALUG C900IPS 2012PV F/C900 PIPE ,RED	75.59	1,436.21
630	19	EA	KIT MJ BOLT & GSKT KIT 12	16.94	321.86
640	19	EA	12 MJ REGULAR GASKET F/DI		
650	152	EA	3/4X4 COR-TEN T-HEAD B&N		

Bid Item Sub-total:

1,758.07

Bid Item W

660	1	EA	12X6 FLG CONC REDUCER(I) C/L DI C110	260.77	260.77
980	1	EA	6X1/8 FLG FF RR GASKET	1.80	1.80
990	1	EA	6 BLK HEX BOLT & NUT KIT	7.19	7.19
670	1	EA	6 MJXFLG ADPT (I) CP DI C153	54.32	54.32

Bid Item Sub-total:

324.08

Bid Item X

680	2	EA	12 MJ 45 BEND (I) CP DI C153	174.72	349.44
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Bid Item Sub-total:

349.44

Bid Item Y

700	1	EA	12 MJ 90 BEND (I) CP DI C153	211.12	211.12
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Bid Item Sub-total:

211.12

Bid Item Z

720	1	EA	12X12 MJ TEE (I) CP DI C153	294.00	294.00
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Bid Item Sub-total:

294.00

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2/19/15 Bid ID: 4095276 LAS VEGAS - NORTH GRAND EFFLUENT

Page 7

Line	Quantity	Sell Per	Description	Net Price	Extended Price
<u>Bid Item AA</u>					
740	2	EA	12 MJXFLG ADPT (I) CP DI C153	183.68	367.36
750	2	EA	12X1/8 FLG FF RR GASKET	5.34	10.68
760	2	EA	12 BLK HEX BOLT & NUT KIT	17.35	34.70
770	2	EA	12 MJ REGULAR ACC SET	32.70	65.40
<b>Bid Item Sub-total:</b>					<b>478.14</b>
<u>Bid Item AB</u>					
780	1	EA	6 A2360-23 MJ RW GV OL L/ACC MUELLER GATE VALVE	484.50	484.50
<b>Bid Item Sub-total:</b>					<b>484.50</b>
<u>Bid Item AC</u>					
800	2	EA	8 A2360-23 MJ RW GV OL L/ACC MUELLER GATE VALVE	771.66	1,543.32
<b>Bid Item Sub-total:</b>					<b>1,543.32</b>
<u>Bid Item AD</u>					
820	1	EA	8 A2360-19 MJXF RW GV OL L/ACC	757.11	757.11
<b>Bid Item Sub-total:</b>					<b>757.11</b>
<u>Bid Item AE</u>					
840	2	EA	10 A2360-23 MJ RW GV OL L/ACC MUELLER GATE VALVE	1,203.25	2,406.50

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2/19/15 Bid ID: 4095276 LAS VEGAS - NORTH GRAND EFFLUENT

Page 8

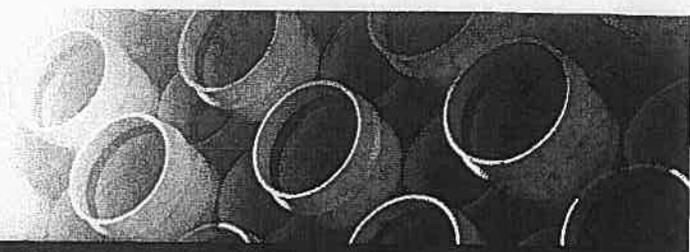
Line	Quantity	Sell Per	Description	Net Price	Extended Price
<b>Bid Item Sub-total:</b>					<b>2,406.50</b>
		<u>Bid Item</u> AF			
860	6	EA	16T TOP SECTION F/6850 IMPORT	38.44	230.64
<b>Bid Item Sub-total:</b>					<b>230.64</b>
		<u>Bid Item</u> AG			
880	6	EA	36B SCREW BOTTOM 6850 IMPORT	34.56	207.36
<b>Bid Item Sub-total:</b>					<b>207.36</b>
		<u>Bid Item</u> AH			
900	6	EA	5-1/4 VB LID M/RECLAIMED WATER	8.33	49.98
<b>Bid Item Sub-total:</b>					<b>49.98</b>
		<u>Bid Item</u> AI			
920	3	RL	2"X1000' DET REUSE PURPLE TAPE	14.94	44.82
<b>Bid Item Sub-total:</b>					<b>44.82</b>
		<u>Bid Item</u> AJ			
940	3000	FT	10GA COPPERHEAD WIRE 500' PURP LE	.24	720.00
<b>Bid Item Sub-total:</b>					<b>720.00</b>

## TERMS AND CONDITIONS OF SALE ("Terms")

1. All references in this document to "Seller" shall include HD Supply, Inc. and / or any parent, subsidiary or affiliate of HD Supply, Inc. (including any division of the foregoing) whether or not performing any or all of the scope hereunder or specifically identified herein. All references to "Buyer" shall include all parent(s), subsidiaries and affiliates of the entity placing the order. Buyer and Seller may be referred to individually as a "Party" and collectively as "Parties".
2. All sales to Buyer are subject to these Terms, which shall prevail over any inconsistent terms of Buyer's purchase order or other documents. Additional or different terms and conditions in any way altering or modifying these Terms are expressly objected to and shall not be binding upon Seller unless specifically accepted in writing by Seller's authorized representative. No modification or alteration of these Terms shall result by Seller's shipment of goods following receipt of Buyer's purchase order, or other documents containing additional, conflicting or inconsistent terms. There are no terms, conditions, understandings, or agreements other than those stated herein, and all prior proposals and negotiations are merged herein. These Terms are binding on the Parties, their successors, and permitted assigns.
3. Prices on Seller website, catalogs or in Seller quotes are subject to change without notice, and all such prices expire and become invalid if not accepted within 10 calendar days from the date of issue, unless otherwise noted by Seller in writing. Price extensions if made are for Buyer's convenience only, and they, as well as any mathematical, stenographic or clerical errors, are not binding on Seller. Prices shown do not include any sales, excise, or other governmental tax or charge payable by Seller to any federal, state or local authority. Any taxes now or hereafter imposed upon sales or shipments will be added to the purchase price, and Buyer shall reimburse Seller for any such tax or provide Seller with an acceptable tax exemption certificate. All prices and other terms provided to Buyer shall be kept confidential except to the extent a Party is required by law to disclose the same.
4. Seller shall not be liable for delay or default in delivery resulting from any cause beyond Seller's reasonable control, including, but not limited to, governmental action, strikes or other labor troubles, fire, damage or destruction of goods, wars (declared or undeclared), acts of terrorism, manufacturers' shortages, availability or timeliness of transportation, materials, fuels, or supplies, and acts of God (each a "Force Majeure Event"). Upon the occurrence of a Force Majeure Event: (a) the time for Seller's performance shall be extended reasonably and the Parties shall adjust all affected dates accordingly; (b) the purchase price shall be adjusted for any increased costs to Seller resulting from such Force Majeure Event; and (c) Buyer shall not be entitled to any other remedy.
5. Seller is a reseller of goods only, and as such does not provide any warranty for the goods it supplies hereunder. Notwithstanding this As-Is limitation, Seller shall pass through to Buyer any transferable manufacturer's standard warranties with respect to goods purchased hereunder. BUYER AND PERSONS CLAIMING THROUGH BUYER SHALL SEEK RECOURSE EXCLUSIVELY FROM MANUFACTURERS IN CONNECTION WITH ANY DEFECTS IN OR FAILURES OF GOODS, AND THIS SHALL BE THE EXCLUSIVE RECOURSE OF BUYER AND PERSONS CLAIMING THROUGH BUYER FOR DEFECTIVE GOODS, WHETHER THE CLAIM OF BUYER OR THE PERSON CLAIMING THROUGH BUYER SHALL SOUND IN CONTRACT, TORT, STRICT LIABILITY, PURSUANT TO STATUTE, OR FOR NEGLIGENCE. BUYER SHALL PASS THESE TERMS TO SUBSEQUENT BUYERS AND USERS OF GOODS. SELLER EXCLUDES AND DISCLAIMS ALL OTHER EXPRESS AND IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. SELLER ASSUMES NO RESPONSIBILITY WHATSOEVER FOR SELLER'S INTERPRETATION OF PLANS OR SPECIFICATIONS PROVIDED BY BUYER, AND BUYER'S ACCEPTANCE AND USE OF GOODS SUPPLIED HEREUNDER SHALL BE PREMISED ON FINAL APPROVAL BY BUYER OR BY BUYER'S RELIANCE ON ARCHITECTS, ENGINEERS, OR OTHER THIRD PARTIES RATHER THAN ON SELLER'S INTERPRETATION. TO THE EXTENT NOT PROHIBITED BY APPLICABLE LAW, IN NO EVENT, WHETHER IN CONTRACT, WARRANTY, INDEMNITY, TORT (INCLUDING, BUT NOT LIMITED TO, NEGLIGENCE), STRICT LIABILITY OR OTHERWISE, ARISING DIRECTLY OR INDIRECTLY OUT OF THE PERFORMANCE OR BREACH OF THESE TERMS, SHALL SELLER BE LIABLE FOR (a) ANY INCIDENTAL, INDIRECT, PUNITIVE, SPECIAL, CONSEQUENTIAL OR SIMILAR DAMAGES SUCH AS LOSS OF USE, LOST PROFITS, ATTORNEYS' FEES OR DELAY DAMAGES, EVEN IF SUCH DAMAGES WERE FORESEEABLE OR CAUSED BY SELLER'S BREACH OF THIS AGREEMENT, (b) ANY CLAIM THAT PROPERLY IS A CLAIM AGAINST THE MANUFACTURER, OR (c) ANY AMOUNT EXCEEDING THE AMOUNT PAID TO SELLER FOR GOODS FURNISHED TO BUYER WHICH ARE THE SUBJECT OF SUCH CLAIM(S). ALL CLAIMS MUST BE BROUGHT WITHIN ONE YEAR OF ACCRUAL OF A CAUSE OF ACTION.
6. Buyer shall indemnify, defend, and hold Seller its officers, directors, employees and agents harmless from any and all costs (including attorneys' and accountants' fees and expenses), liabilities and damages resulting from or related to any third party (including Buyer's employees) claim, complaint and/or judgment arising from Buyer's use of any goods furnished hereunder, as well as any negligent, intentional, or tortious act or omission of Buyer or any material breach by Buyer of these Terms.
7. When goods are delivered to Buyer in Seller's own vehicles, the F.O.B. point shall be Buyer's designated delivery site. In all other cases the F.O.B. point shall be Seller's store or warehouse and all responsibility and costs of shipping and delivery beyond the applicable F.O.B. point shall be borne by Buyer. Title and risk of loss shall pass to Buyer at the applicable F.O.B. point, which for goods not delivered in Seller's own vehicles shall be when Seller delivers the goods to the common carrier. All claims for shortage of goods or for loss or damage to goods as to which Seller has the risk of loss shall be waived unless Buyer, within 10 calendar days after receipt of the short or damaged shipment, gives Seller written notice fully describing the alleged shortage or damage. Partial shipments are permitted at Seller's discretion.
8. Any change in product specifications, quantities, destinations, shipping schedules, or any other aspect of the scope of goods must be agreed to in writing by Seller, and may result in a price and delivery adjustment by Seller. No credit for goods returned by Buyer shall be given without Seller's written authorization. All returns are subject to a restocking charge.
9. Unless otherwise agreed in writing, payment terms are net 30 days from delivery, payable in United States of America ("U.S.") dollars. Notwithstanding the foregoing, all orders are subject to Seller's continuing approval of Buyer's credit. If Buyer's credit is not approved or becomes unsatisfactory to Seller then Seller, in its sole discretion, may suspend or cancel performance, or require different payment terms, including but not limited to cash on delivery or in advance of shipment. In addition, Seller may in its discretion require an advance deposit of up to 100% of Seller's selling price for any specially manufactured goods ordered by Buyer hereunder. Payments due hereunder shall be made in the form of cash, check, or money order, or other tender approved in writing by Seller. Seller may, in its sole discretion, apply Buyer's payment against any open charges. Past due accounts bear interest at the lesser of 1.5% per month or the maximum rate permitted by applicable law, continuing after Seller obtains judgment against Buyer. Seller may exercise setoff or recoupment to apply to or satisfy Buyer's outstanding debt. Buyer shall have no right of setoff hereunder, the same being expressly waived hereby.
10. Buyer shall not export or re-export, directly or indirectly, all or any part of the goods or related technology obtained from Seller under these Terms except in accordance with applicable export laws and regulations of the U.S. Further, a Buyer that is a non-U.S. company or citizen shall similarly limit any export or re-export activity to that which would be deemed compliant with U.S. export laws and regulations if performed by a U.S. company or citizen.
11. Buyer shall pay Seller all costs and expenses of collection, suit, or other legal action brought as a result of the commercial relationship between them, including, but not limited to, all actual attorneys' and paralegals' fees, and collection costs, incurred pre-suit, through trial, on appeal, and in any administrative or bankruptcy proceedings. Any cause of action that Seller has against Buyer may be assigned without Buyer's consent to HD Supply, Inc. or to any affiliate, parent or subsidiary of HD Supply, Inc.
12. This Agreement, Buyer's account, and the business relationship between Buyer and Seller shall be governed by and construed in accordance with the laws of Georgia without regard to conflicts of laws rules, and specifically excluding the UN Convention on Contracts for the International Sale of Goods. The Parties agree that any legal action arising under or related to this Agreement shall be brought in Cobb County, Georgia, and any right to object to such venue or to assert the inconvenience of such forum is hereby waived.
13. If Buyer fails to comply with these Terms, Seller may terminate or restrict any order immediately upon notice to Buyer. Buyer certifies that it is solvent and that it will advise Seller immediately if it becomes insolvent. Buyer agrees to send Seller written notice of any changes in the form of ownership of Buyer's business within 5 days of such changes. Buyer and Seller are the only intended beneficiaries of this document, and there are no third party beneficiaries.
14. The invalidity or unenforceability of all or part of these Terms will not affect the validity or enforceability of the other terms. The parties agree to replace any void or unenforceable term with a new term that achieves substantially the same practical and economic effect and is valid and enforceable.
15. The following provisions shall survive termination, cancellation and completed performance of this Agreement as long as necessary to allow the aggrieved party to fully enforce such clauses: 5, 6, 9, 10, 11 and 12.



# North American Pipe Corporation™



## AWWA C900: Gasketed Integral Bell PVC Pipe

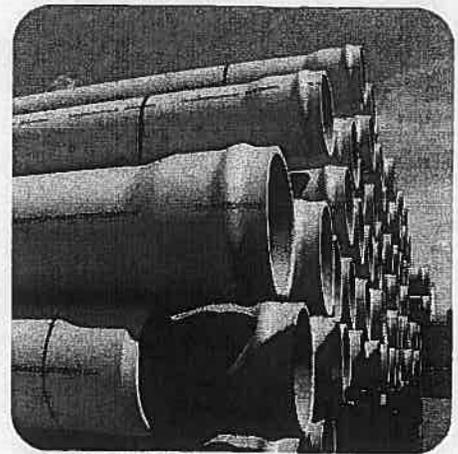
### Municipal Bid Items A, B, C Water, Wastewater, Reclaimed Water

North American Pipe Corporation's AWWA C900 Gasketed Integral Bell PVC Pipe product line is manufactured to meet the needs of modern municipal water, wastewater, and reclaimed water systems. With top quality raw materials and modern processing technology, our C900 pipe meets all industry standards in addition to our own rigorous quality control requirements.

Our C900 pipe utilizes Rieber style gaskets throughout the entire product offering to create a leak-free joint.

Whether specifying or installing our pipe, you can be assured that North American Pipe will provide the pipe "Right, On Time, All the Time".

Pipe Standard:	AWWA C900
Diameter Standard:	Cast Iron Outside Diameter (CIOD)
Pipe Compound:	ASTM D1784 Cell Class 12454
Pressure Classes* & Sizes:	165 psi – DR25 – 4" to 12" <b>235 psi – DR18 – 4" to 12"</b> 305 psi – DR14 – 4" to 12"
Pipe Joint:	ASTM D3139
Gasket:	ASTM F477
Gasket Material Offerings:	SBR (Standard), Nitrile, EPDM
Lay Length:	20'
Installation:	AWWA C605



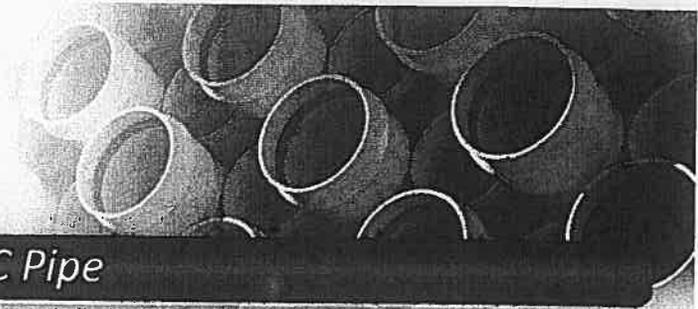
Applications:	Water	Wastewater	Reclaimed Water
Color:	Blue	Green	Purple
Certifications:	NSF 14* NSF 61 UL 1285 FM 1612**	None	None

\* NSF 14 certified products must be requested at time of order.

\*\* FM 1612 only includes 150 psi - DR18 and 200 psi - DR14.



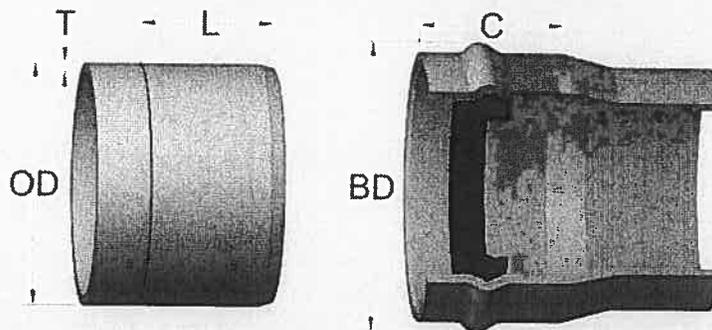
# North American Pipe Corporation™



## AWWA C900: Gasketed Integral Bell PVC Pipe

Bid Items A, B, C

### SINGLE INSERTION MARK VERSION



NOMINAL PIPE SIZE	OUTSIDE DIAMETER (OD)	*APPROX. BELL DIAMETER (BD)	APPROX. BELL DEPTH (C)	INSERTION MARK (L)
4"	4.800	6.250	5.000	3.875
6"	6.900	8.625	5.750	5.125
8"	9.050	11.500	7.000	6.125
10"	11.100	14.000	7.250	6.625
12"	13.200	16.563	8.000	7.375

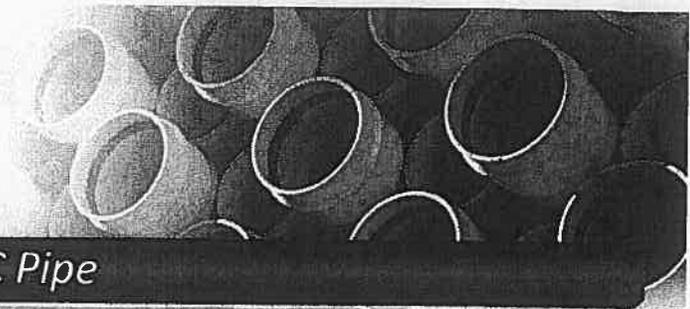
NOMINAL PIPE SIZE	MINIMUM WALL THICKNESS (T)		
	PC 165 DR 25	PC 235 DR 18	PC 305 DR 14
4"	.192	.267	.343
6"	.276	.383	.493
8"	.362	.503	.646
10"	.444	.617	.793
12"	.528	.733	.943

**Notes:**

1. These dimensions are for estimating purposes only.
2. All dimension are in inches.
3. DR = Dimension Ratio
4. PC = Pressure Class (psi).
5. \* Dimension given for Approx. Bell Diameter (BD) is for highest pressure class.



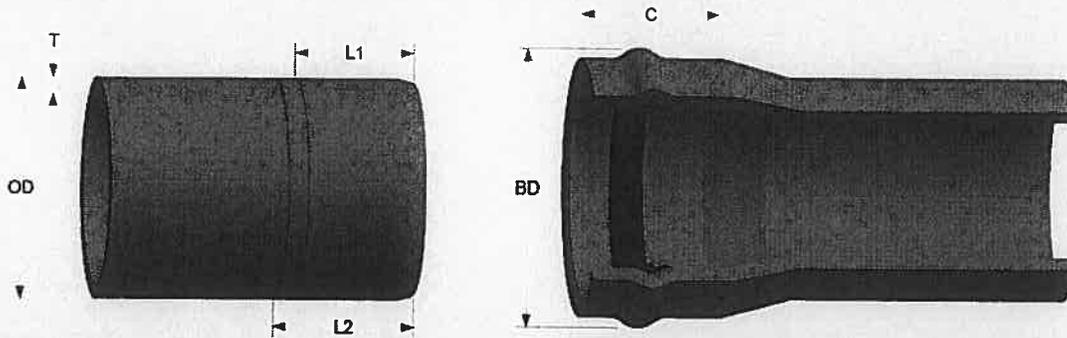
# North American Pipe Corporation™



## AWWA C900: Gasketed Integral Bell PVC Pipe

Bid Items A,B, C

### DUAL INSERTION MARK VERSION



NOMINAL PIPE SIZE	OUTSIDE DIAMETER (OD)	*APPROX. BELL DIAMETER (BD)	APPROX. BELL DEPTH (C)	1 <sup>st</sup> INSERTION MARK (L1)	2 <sup>nd</sup> INSERTION MARK (L2)
4"	4.800	6.250	5.000	3.375	4.375
6"	6.900	8.625	5.750	4.625	5.625
8"	9.050	11.500	7.000	5.625	6.625
10"	11.100	14.000	7.250	6.125	7.125
12"	13.200	16.563	8.000	6.875	7.875

NOMINAL PIPE SIZE	MINIMUM WALL THICKNESS (T)		
	PC 165 DR 25	PC 235 DR 18	PC 305 DR 14
4"	.192	.267	.343
6"	.276	.383	.493
8"	.362	.503	.646
10"	.444	.617	.793
12"	.528	.733	.943

**Notes:**

1. These dimensions are for estimating purposes only.
2. All dimension are in inches.
3. DR = Dimension Ratio
4. PC = Pressure Class (psi).
5. \* Dimension given for Approx. Bell Diameter (BD) is for highest pressure class.

Rev: 10/2014

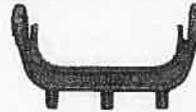
# IRON METER YOKES (SEE NOTE AT BOTTOM OF PAGE) AND EQUIPMENT



Iron meter yoke for 5/8" meters

**H-5010**

Catalog size	5/8
Meter size	5/8



Iron meter yoke for 5/8" meters  
With stabilizing prongs to  
support yoke on 3/4" iron pipe  
stakes when yoke is attached to  
plastic service lines.

**H-5010P**

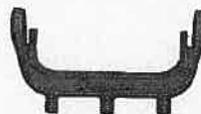
Catalog size	5/8
Meter size	5/8



Iron meter yoke for 5/8"x3/4"  
meters

**H-5020**

Catalog size	5/8x3/4
Meter size	5/8x3/4



Iron meter yoke for 5/8"x3/4"  
meters. With stabilizing prongs  
to support yoke on 3/4" iron  
pipe stakes when yoke is at-  
tached to plastic service lines.

**H-5020P**

Catalog size	5/8x3/4
Meter size	5/8x3/4



Iron meter yoke for 3/4" meters

**H-5030**

Catalog size	3/4
Meter size	3/4



Iron meter yoke for 3/4" meters  
With stabilizing prongs to  
support yoke on 3/4" iron pipe  
stakes when yoke is attached to  
plastic service lines.

**H-5030P**

Catalog size	3/4
Meter size	3/4



Iron meter yoke for 1" meters

**H-5040**

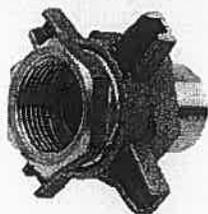
Catalog size	1
Meter size	1



Iron meter yoke for 1" meters  
With stabilizing prongs to  
support yoke on 3/4" iron pipe  
stakes when yoke is attached to  
plastic service lines.

**H-5040P**

Catalog size	1
Meter size	1



Expansion handwheel

Three piece, O-ring sealed for  
positive, trouble free operation.

**H-14234**

Catalog size	5/8	3/4	1
Meter size	5/8	5/8x3/4, 3/4	1

For optional Garlock gasket (white) at meter end, add suffix 990006"



The lock nuts needed for attaching valves and couplings to the yoke are supplied with each valve or coupling. Lock nuts have durable rubber gaskets to seal the meter to the yoke ends. Additional lock nuts and gaskets can be ordered separately. Since the lock nut threading on valves, stops and couplings is uniform, lock nuts are easily switched when making a changeover from 5/8" meters to 5/8"x3/4" and 3/4" water meters.

Note: A complete assembly consists of a bar and expansion wheel from this page and inlet and outlet fittings from this section (8B).



Part number	Catalog size	Meter size
509326	5/8	5/8
509316	3/4	5/8x3/4, 3/4
526268	1	1
500844	5/8	5/8
500845	3/4	5/8x3/4, 3/4
311335	1	1

# 8B.4 **Mueller Co.** STRAIGHT MUELLER® MARK II ORISEAL® AND ANGLE IRON YOKE METER VALVES (SEE NOTE AT BOTTOM OF PAGE)

Rev. 4-14 Shaded area indicates change



MUELLER MARK II ORISEAL  
Straight Meter Valve  
MUELLER 110™ Conductive  
Compression Connection for CTS  
O.D.\* tubing x lock nut  
Quarter turn check - lock wing

## H-14359N

Category size	5/8x3/4	5/8x3/4x3/4
Meter size	5/8	5/8x3/4, 3/4
Tubing size	3/4	3/4



MUELLER MARK II ORISEAL  
Straight Meter Valve  
MUELLER Pack Joint Connection  
for CTS O.D.\* tubing x lock  
nut  
Quarter turn check - lock wing

## P-14359N

Category size	5/8x3/4	5/8x3/4x3/4
Meter size	5/8	5/8x3/4, 3/4
Tubing size	3/4	3/4

8B - C.I. YOKES



MUELLER MARK II ORISEAL  
Straight Meter Valve  
Copper flare nut x lock nut  
Quarter turn check - lock wing

## H-14358N

Category size	5/8x3/4	5/8x3/4x3/4
Meter size	5/8	5/8x3/4, 3/4
Tubing size	3/4	3/4



MUELLER MARK II ORISEAL  
Straight Meter Valve  
F.I.P. x lock nut.  
Quarter turn check - lock wing

## H-14360N

Category size	5/8x3/4	5/8x3/4x3/4
Meter size	5/8	5/8x3/4, 3/4
Tubing size	3/4	3/4



Angle meter valve  
MUELLER 110 Conductive  
Compression Connection for CTS  
O.D.\* tubing x lock nut  
180° turn check - lock wing

## H-14273N

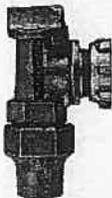
Category size	5/8x3/4x1	1	1x1-1/4
Meter size	5/8x3/4, 3/4	1	1
Tubing size	1	1	1-1/4



Angle meter valve  
MUELLER Pack Joint Connection  
for CTS O.D.\* tubing x lock  
nut  
180° turn check - lock wing

## P-14273N

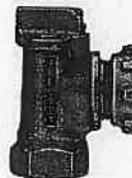
Category size	5/8x3/4x1	1	1x1-1/4
Meter size	5/8x3/4x3/4	1	1
Tubing size	1	1	1-1/4



Angle meter valve  
Copper flare nut x lock nut  
180° turn check-lock wing

## H-14264N

Category size	5/8x3/4	5/8x3/4x3/4
Meter size	5/8	5/8x3/4, 3/4
Tubing size	3/4	3/4



Angle meter valve  
F.I.P. x lock nut  
180° turn check - lock wing

## H-14278N

Category size	5/8x3/4	5/8x3/4x3/4	1
Meter size	5/8	5/8x3/4, 3/4	1
Tubing size	3/4	3/4	1

\* See charts on page 8B.8 for tubing that may be used with these connections.

Note: A complete assembly consists of a bar and expansion wheel from page 8B.1 and inlet and outlet fittings from this section (8B).

MUELLER Valves and Couplings are manufactured and tested in accordance with ANSI/AWWA C800. Components in contact with potable water will also comply with latest requirements of the Federal Safe Drinking Water Act.

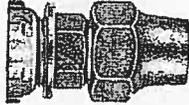
Bid Item F

# Ford Yoke Couplings and Ells

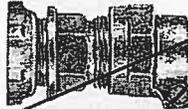
## Straight Yoke Outlet Pieces



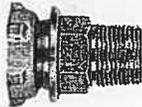
C91-23-NL



C92-23-NL



C94-23-NL



C98-23-NL

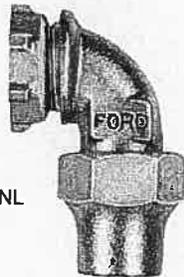
CATALOG NUMBER	METER SIZE	SERVICE LINE SIZE & TYPE	APPROX. WT. LBS.
<b>METER YOKE NOSE BY FEMALE IRON PIPE</b>			
Δ C91-13-NL	5/8"	3/4" FIP	0.6
C91-14-NL	5/8"	1" FIP	0.6
Δ C91-23-NL	5/8"x3/4" & 3/4"	3/4" FIP	0.6
C91-24-NL	5/8"x3/4" & 3/4"	1" FIP	0.6
Δ C91-44-NL	1"	1" FIP	0.9
C91-45-NL	1"	1-1/4" FIP	1.2
<b>METER YOKE NOSE BY FLARED COPPER</b>			
C92-11-NL	5/8"	1/2" fl. cop.	0.6
C92-13-NL	5/8"	3/4" fl. cop.	0.8
C92-21-NL	5/8"x3/4" & 3/4"	1/2" fl. cop.	0.6
C92-23-NL	5/8"x3/4" & 3/4"	3/4" fl. cop.	0.9
C92-44-NL	1"	1" fl. cop.	1.2
<b>METER YOKE NOSE BY PACK JOINT FOR TUBING (CTS)*</b>			
▶♦ C94-13-NL	5/8"	3/4" P.J./CTS	0.8
▶♦ C94-23-NL	5/8"x3/4" & 3/4"	3/4" P.J./CTS	0.8
▶ C94-44-NL	1"	1" P.J./CTS	1.2
<b>METER YOKE NOSE BY MALE IRON PIPE</b>			
C98-13-NL	5/8"	3/4" MIP	0.6
C98-23-NL	5/8"x3/4" & 3/4"	3/4" MIP	0.6
** C98-44-AWT-NL	1"	1" MIP	1.0

\* Grip Joint for CTS is available. See options for ordering information.  
 \*\* NOTE: This item is two pieces assembled water tight.  
 ♦ Quick Joint is available. Add "-Q" to the end of this catalog number.  
 Δ Drain or Test Valve available, add "D" to catalog number.  
 Example: C91-13D-NL.

## Yoke Ells



L91-23TD-NL



L92-23-NL

CATALOG NUMBER	SERVICE LINE SIZE & TYPE	METER SIZE	APPROX. WT. LBS.
<b>FEMALE IRON PIPE BY METER YOKE NOSE</b>			
↑Δ L91-13-NL	3/4" FIP	5/8"	0.8
↑Δ L91-23-NL	3/4" FIP	5/8"x3/4" & 3/4"	0.8
↑Δ L91-14-NL	1" FIP	5/8"	0.9
↑Δ L91-24-NL	1" FIP	5/8"x3/4" & 3/4"	0.9
↑Δ L91-44-NL	1" FIP	1"	1.3
L91-45-NL	1-1/4" FIP	1"	1.5
<b>FLARED COPPER BY METER YOKE NOSE</b>			
↑Δ L92-13-NL	3/4" fl. cop.	5/8"	1.0
Δ L92-14-NL	1" fl. cop.	5/8"	1.4
↑Δ L92-23-NL	3/4" fl. cop.	5/8"x3/4" & 3/4"	1.0
Δ L92-24-NL	1" fl. cop.	5/8"x3/4" & 3/4"	1.4
Δ L92-44-NL	1" fl. cop.	1"	1.8
<b>PACK JOINT FOR TUBING (CTS)* BY METER YOKE NOSE</b>			
▶♦↑Δ L94-13-NL	3/4" P.J./CTS	5/8"	0.8
▶♦↑Δ L94-23-NL	3/4" P.J./CTS	5/8"x3/4" & 3/4"	0.8
▶ Δ L94-14-NL	1" P.J./CTS	5/8"	1.3
▶ Δ L94-24-NL	1" P.J./CTS	5/8"x3/4" & 3/4"	1.3
▶↑Δ L94-44-NL	1" P.J./CTS	1"	1.7
<b>PACK JOINT FOR PIPE (PEP)* BY METER YOKE NOSE</b>			
▶ Δ L96-13-NL	3/4" P.J./PEP	5/8"	1.3
▶ Δ L96-23-NL	3/4" P.J./PEP	5/8"x3/4" & 3/4"	1.3
▶ L96-24-NL	1" P.J./PEP	5/8"x3/4" & 3/4"	1.3
▶ L96-44-NL	1" P.J./PEP	1"	2.0
<b>PACK JOINT FOR PVC PIPE BY METER YOKE NOSE</b>			
Δ L97-13-NL	3/4"	5/8"	1.3
Δ L97-23-NL	3/4"	5/8"x3/4" & 3/4"	1.3

NOTE: Ford Pack Joints for PVC are recommended for use only with Schedule 40 and Schedule 80 PVC.

## Options Available

- \* Grip Joint for CTS and PEP is available. Add "-G" to the end of catalog number.
- ♦ Quick Joint is available. Add "-Q" to the end of this catalog number.
- ▶ Ultra-Tite compression available. Add "-U-AWT" to the end of the catalog number. (Consists of components assembled watertight.)
- Δ Drain or Test Valve available, add "D" to catalog number. Example: L92-13D-NL.
- ↑ Drain or Test Valve on top available, add "TD" to catalog number. Example: L92-13TD-NL.

**GROUND KEY ANGLE METER VALVES & SERVICE VALVES - 3/4"-2"**

Rev. 4-14 Shaded area indicates change



**Ground Key Angle Meter Valve**  
**MUELLER 110° Conductive**  
**Compression Connection for**  
**CTS**  
 O.D.\* tubing x meter flange  
*180° turn check - lock wing*

**H-14277N**

Catalog size	1-1/2"	2" ††
Meter size	1-1/2"	1-1/2", 2"
Tubing size	1-1/2"	2"



**Ground Key Angle Meter Valve**  
**MUELLER® Pack Joint**  
**Connection for CTS O.D.\* tubing**  
**x meter flange**  
*180° turn check - lock wing*

**P-14277N**

Catalog size	1-1/2"	2" ††
Meter size	1-1/2"	1-1/2", 2"
Tubing size	1-1/2"	2"



**Ground Key Angle Meter Valve**  
**Copper flare nut x meter flange**  
*180° turn check - lock wing*

**H-14276N**

Catalog size	1-1/2"	2" ††
Meter size	1-1/2"	1-1/2", 2"
Tubing size	1-1/2"	2"



**Ground Key Angle Meter Valve**  
**F.I.P. x meter flange**  
*180° turn check - lock wing*

**H-14286N**

Catalog size	1-1/2"	2" ††
Meter size	1-1/2"	1-1/2", 2"
Tubing size	1-1/2"	2"



**Ground Key Angle Meter Valve**  
**F.I.P. x F.I.P.**  
*180° turn check - lock wing*

**H-14285N**

Catalog size	3/4"
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**MUELLER Solid Tee Head**  
**Roundway Meter Stop**  
**F.I.P. x F.I.P.**  
*360° turn - lock wing*

**H-10281N**

Catalog size	1-1/2"
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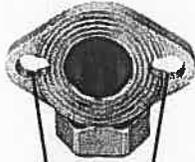
8D-VALVES/CHECKS

\* See charts on pages 8D.17 and 8D.18 for tubing that may be used with these connections.  
 †† These valves have meter flanges double drilled to fit either 1-1/2" or 2" meters.

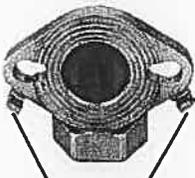
Bid Item H

# Flanged Meter Couplings

Flanged Ells for 1-1/2" and 2" meters



2" Flanges have slotted bolt holes to fit 1-1/2" meters



Optional Support Brackets (add "-MSB" to catalog number)

CATALOG NUMBER	DESCRIPTION	APPROX. Wt. LBS.	STD. PKG. QTY.
<b>METER FLANGE BY FEMALE IRON PIPE THREAD</b>			
LF31-66-NL	1-1/2" Meter Flange x 1-1/2" Female Iron Pipe	3.7	4
LF31-67-NL	1-1/2" Meter Flange x 2" Female Iron Pipe	4.2	2
LF31-77-NL	1-1/2" & 2" Meter Flange x 2" Female Iron Pipe	4.6	3
<b>METER FLANGE BY FLARE COPPER</b>			
LF32-66-NL	1-1/2" Meter Flange x 1-1/2" Flare Copper	5.1	2
LF32-67-NL	1-1/2" Meter Flange x 2" Flare Copper	6.8	1
LF32-77-NL	1-1/2" & 2" Meter Flange x 2" Flare Copper	7.5	1
<b>METER FLANGE BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)</b>			
LF34-66-NL	1-1/2" Meter Flange x 1-1/2" CTS P.J.	4.3	2
LF34-77-NL	1-1/2" & 2" Meter Flange x 2" CTS P.J.	6.2	2

Grip Joint for CTS is available. Add "-G" to the catalog number.  
 For meter support brackets, two per flange, add "-MSB" to catalog number.

# Lok-Pak Meter Couplings

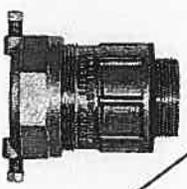
## Lok-Pak Meter Couplings for Flanged Meters



CATALOG NUMBER	DESCRIPTION	APPROX. Wt. LBS.	STD. PKG. QTY.
<b>METER FLANGE BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)</b>			
CF34-66-NL	1-1/2" Meter Flange x 1-1/2" CTS P.J.	3.7	3
CF34-77-NL	2" Meter Flange x 2" CTS P.J.	4.8	5
<b>METER FLANGE BY PACK JOINT FOR IRON PIPE</b>			
CF35-66-NL	1-1/2" Meter Flange x 1-1/2" Iron Pipe P.J.	3.6	3
CF35-77-NL	2" Meter Flange x 2" Iron Pipe P.J.	5.1	3
<b>METER FLANGE BY PACK JOINT FOR PVC PIPE</b>			
CF37-66-NL	1-1/2" Meter Flange x 1-1/2" PVC Pipe P.J.	4.0	3
CF37-77-NL	2" Meter Flange x 2" PVC Pipe P.J.	6.0	5

Grip Joint for CTS is available. Add "-G" to the catalog number.  
 For Meter Support Brackets, two per flange, add "-MSB" to catalog number.

## Lok-Pak Meter Couplings for Tapped Meters



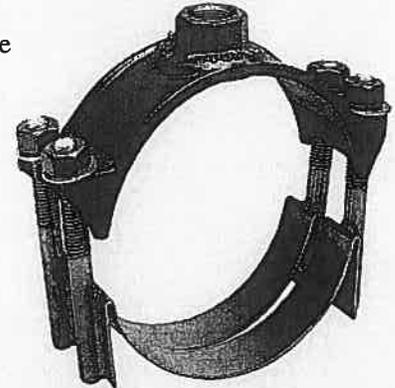
CATALOG NUMBER	DESCRIPTION	APPROX. Wt. LBS.	STD. PKG. QTY.
<b>CONNECTION FOR TAPPED METER BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)</b>			
CT34-66-NL	1-1/2" Tapped Meter Connection x 1-1/2" CTS P.J.	2.1	4
CT34-77-NL	2" Tapped Meter Connection x 2" CTS P.J.	3.4	3
<b>CONNECTION FOR TAPPED METER BY PACK JOINT FOR IRON PIPE</b>			
CT35-66-NL	1-1/2" Tapped Meter Connection x 1-1/2" Iron Pipe P.J.	2.2	4
CT35-77-NL	2" Tapped Meter Connection x 2" Iron Pipe P.J.	3.3	3

Grip Joint for CTS only is available. Add "-G" to the catalog number.  
 Gaskets are furnished with all meter couplings, flat drop-in gaskets for flanged meters, flat ring gaskets for tapped meters.  
 Steel bolts and nuts (5/8" x 2-1/2" zinc plated) for attaching 1-1/2" & 2" flanges and flanged ellis sold separately and are supplied in pairs. (Cat. No. PSB)

# MUELLER® DR2S SERIES DUCTILE IRON SERVICE SADDLES - DOUBLE STRAP

**Nylon COATED Ductile Iron Service Saddles for use on cast iron, ductile iron, AWWA C900 PVC plastic, steel and A-C pipe.**

- Outlet tapped with AWWA taper (C.C.) or AWWA I.P. thread (F.I.P.T.)
- Double strap design rated at 500 psig (3447 kPa) maximum working pressure
- ASTM A395 ductile iron body
- Body is Nylon 11 (10 -12 mil)
- 304L stainless steel strap
- Rolled strap threads
- Nitrile O-ring gasket
- 1/2" thru 2" tap sizes
- Meets all applicable parts of ANSI/AWWA C800
- NSF 61 certified



Double stainless steel strap design

Pipe O.D. range		Kind and size of pipe		Double stainless steel straps with AWWA I.P. thread (F.I.P.T.)						Double stainless steel straps with AWWA taper thread (C.C.)								
Inch	mm	A-C	Std. Steel IPS PVC	Cast iron, ductile iron, PVC C900	Base Catalog Number	Size of tapping (add to "Base" to complete catalog number)						Base Catalog Number	Size of tapping (add to "Base" to complete catalog number)					
						1/2"	3/4"	1"	1-1/4"	1-1/2"	2"		1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
2.35 - 2.50	59.7 - 63.5		2"	2"*	DR 2 S 0235 IP	050	075	100	-	-	-	DR 2 S 0235 CC	050	075	100	-	-	-
3.56 - 4.00	91.0 - 101.0		3-1/2"	3"	DR 2 S 0356 IP	050	075	100	-	-	-	DR 2 S 0356 CC	050	075	100	-	-	-
4.47 - 5.32	113.5 - 135.1		4"	4"	DR 2 S 0447 IP	050	075	100	125	150	200	DR 2 S 0447 CC	050	075	100	125	150	200
6.59 - 7.37	167.4 - 187.2		6"	6"	DR 2 S 0659 IP	050	075	100	125	150	200	DR 2 S 0659 CC	050	075	100	125	150	200
8.54 - 9.79	216.9 - 248.7		8"	8"	DR 2 S 0854 IP	050	075	100	125	150	200	DR 2 S 0854 CC	050	075	100	125	150	200
10.64 - 12.12	270.3 - 307.8		10"	10"	DR 2 S 1064 IP	050	075	100	125	150	200	DR 2 S 1064 CC	050	075	100	125	150	200
12.62 - 14.38	320.5 - 365.3		12"	12"	DR 2 S 1262 IP	050	075	100	125	150	200	DR 2 S 1262 CC	050	075	100	125	150	200
17.40 - 18.80	442.0 - 477.5		-	16"	DR 2 S 1740 IP	-	075	100	125	150	200	DR 2 S 1740 CC	-	075	100	125	150	200
18.00 - 19.50	457.2 - 495.3		-	18"	DR 2 W 1950 IP	050	075	100	125	150	200	DR 2 W 1950 CC	050	075	100	125	150	200
20.00 - 21.60	508.0 - 548.6		-	20"	DR 2 W 2160 IP	050	075	100	125	150	200	DR 2 W 2160 CC	050	075	100	125	150	200
24.00 - 25.80	609.6 - 655.3		-	24"	DR 2 W 2580 IP	050	075	100	125	150	200	DR 2 W 2580 CC	050	075	100	125	150	200

\* Important—carefully check the range of the saddle with the O.D. of the pipe being used.

\*\* The outside diameter of A-C pipe varies from manufacturer to manufacturer. To make certain you select the proper clamp:

- 1) Determine the O.D. of the pipe at the point of saddle installation;
- 2) From the pipe O.D. range column of the above chart, choose a saddle that has a pipe O.D. range that includes the determined pipe diameter.
- 3) Ductile Iron Double Stainless Strap Saddles can be specifically sized for IPS PVC or C900.

These machines may be used with the service saddles illustrated on this page

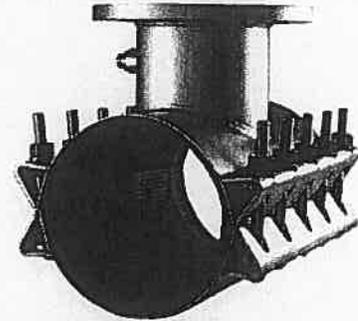
Machine	Service saddle tap size					
	1/2"	3/4"	1"	1-1/2"	2"	
E-5™	X	X	X	X	X	X
D-5™	-	X	X	X	X	X
TRU-CUT™	-	X	X	-	-	-
MEGA-CUT™	X	X	X	X	X	X
PL-2™	-	X	X	-	-	-

**TO ORDER SPECIFY QUANTITY, OUTLET TAPPING SIZE AND CATALOG NUMBER.**

~~JCM 432 All Stainless Steel Tapping Sleeve~~  
**JCM 462 Stainless Steel Tapping Sleeve with Carbon Steel Flange**

**EXTRA BOLTING POWER...**The true tapping sleeve design of this sleeve incorporates replaceable, self-aligning bolts, which facilitate conversion of high bolt torques to high gasket pressure, can be torqued to 125 ft. lbs. This increases gasket sealing pressure and pressure holding capability.

**FULL CIRCUMFERENTIAL SEAL...**The extra bolting power assures the gasket will seal the full circumference of the pipe. This provides insurance against beam breaks in size on size taps. Molded in recessed bridge plate assures even gasket pressure throughout the range of the sleeve.



Patent #4,708,373

**STRONGER YET LIGHTER THAN CAST SLEEVES...**Extra strength eliminates possible cracking of the sleeve or flange. Reduced weight speeds installation and reduces the load placed on the pipe.

**EXTRA WIDE FOR SUPPORT AND STABILITY...**Extra width and heavier neck and body material provide extra reinforcement of the outlet and extra stability during the tapping process.

~~JCM 432 - All stainless construction provides extra corrosion resistance. The stainless steel flange, outlet and body join as one unit of similar metals for highest structural strength and corrosion resistance.~~

**JCM 462 - Stainless steel body/neck construction joins with a strong, economical carbon steel flange.** Coated steel flange is to AWWA C207, Class D standard with recess for tapping alignment.

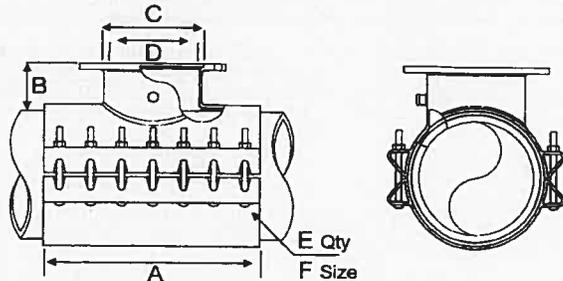
**MATERIAL SPECIFICATIONS - JCM ~~432~~ and 462 TAPPING SLEEVES:**

- BODY:** Stainless Steel, 18-8 Type 304
- BOLTS:** Stainless Steel, Type 304
- BRANCH OUTLET:** Heavy Stainless Steel Pipe
- GASKET:** Full circumferential gasket compounded for use water, salt solutions, mild acids, bases and sewage.
- ~~**432 FLANGE:** CF8 Cast Stainless Steel equivalent to 18-8 Type 304 Stainless Steel. ANSI 150lb. Drilling, recessed for tapping valve per MSS-SP-60.~~
- 462 FLANGE:** AWWA C207 Class D, ANSI 150lb. Drilling, recessed for tapping valve MSS-SP60.

JCM Tapping Sleeves meet or exceed the ANSI/AWWA C-223 and the MSS-SP 124 Standards as applicable.

~~JCM 432 & 462~~ STAINLESS STEEL TAPPING SLEEVE DIMENSIONS

FLANGE SIZE	A	B	C	D	E	F
2	15	5	3-1/32	2.16	10	5/8
3	15	5	4-1/32	3.26	10	5/8
4	15	5	5-1/32	4.26	10	5/8
6	15	5	7-1/32	6.35	10	5/8
8	21	5-1/8	9-1/32	8.32	14	5/8
10	27	5-1/2	11-1/16	10.42	18	5/8
12	30	5-3/4	13-1/16	12.39	20	5/8



Certified to NSF/ANSI 61

Bid Item M

Stainless Steel Tapping Sleeve - Full Circumferential Gasket - Flanged Outlet

~~JCM 432 Stainless Steel Flanged Outlet~~

JCM 462 Carbon Steel Flanged Outlet

NOM. PIPE SIZE (IN.)	SLEEVE O.D. RANGE (IN.)	MODEL 432 STAINLESS STEEL FLANGE SLEEVE NUMBER	MODEL 462 CARBON STEEL FLANGE SLEEVE NUMBER	OUTLET SIZES	WIDTH OF SLEEVE	NUMBER OF BOLTS	APPR. WT. EA. LBS
4	4.40 - 4.60	432-0450	462-0450	X 2	15	10	38
	4.50 - 4.80	432-0465	462-0465	X 3	15	10	40
	4.74 - 5.00	432-0480	462-0480	X 4	15	10	42
	5.10 - 5.30	432-0520	462-0520				
6	6.56 - 6.90++	432-0663	462-0663	X 2	15	10	42
	6.83 - 7.16	432-0690	462-0690	X 3	15	10	42
	7.05 - 7.40	432-0720	462-0720	X 4	15	10	47
	7.40 - 7.73	432-0745	462-0745	X 6	15	10	49
8	8.54 - 8.74	432-0863	462-0863	X 2	15	10	45
	8.60 - 9.05++	432-0900	462-0900	X 3	15	10	45
	8.98 - 9.37	432-0905	462-0905	X 4	15	10	51
	9.27 - 9.69	432-0940	462-0940	X 6	15	10	54
				X 8	21	14	78
10	9.83 - 10.25+	432-1000	462-1000	X 2	15	10	46
	10.64 - 10.86	432-1075	462-1075	X 3	15	10	46
	11.00 - 11.40	432-1110	462-1110	X 4	15	10	55
	11.36 - 11.80	432-1140	462-1140	X 6	15	10	60
	11.76 - 12.24	432-1200	462-1200	X 8	21	14	72
				X 10**	27	18	132
12	12.62 - 12.88	432-1275	462-1275	X 2	15	10	47
	12.75 - 13.20++	432-1300*	462-1300*	X 3	15	10	47
	13.10 - 13.50	432-1320	462-1320	X 4	15	10	60
	13.70 - 14.09	432-1392	462-1392	X 6	15	10	64
	14.08 - 14.40	432-1420	462-1420	X 8	21	14	90
				X 10**	27	18	138
X 12**	30	20	161				
14	15.20 - 15.60	432-1530	462-1530	X 2	15	10	74
	15.80 - 16.20	432-1600	462-1600	X 3	15	10	74
	16.38 - 16.78	432-1650	462-1650	X 4	15	10	80
				X 6	15	10	85
				X 8	21	14	114
				X 10**	27	18	150
X 12**	30	20	171				
16	17.40 - 17.80	432-1740	462-1740	X 2	15	10	78
	17.75 - 18.15	432-1800	462-1800	X 3	15	10	78
	18.58 - 18.98	432-1875	462-1875	X 4	15	10	78
				X 6	15	10	90
				X 8	21	14	126
X 10**	27	18	163				
X 12**	30	20	175				
18	19.30 - 19.70	432-1950	462-1950	X 3	15	10	80
	19.80 - 20.20	432-1990	462-1990	X 4	15	10	80
	21.20 - 21.40	432-2130	432-2130	X 6	15	10	90
				X 8	21	14	130
20	21.40 - 21.80	432-2160	462-2160	X 3	15	10	85
	21.90 - 22.30	432-2206	462-2206	X 4	15	10	85
	22.30 - 22.70	432-2250	432-2250	X 6	15	10	92
X 8	21	14	136				
24	23.45 - 23.85	432-2360	462-2360	X 3	15	10	105
	25.60 - 26.00	432-2580	462-2580	X 4	15	10	105
	26.20 - 26.60	432-2632	462-2632	X 6	15	10	125
X 8	21	14	150				

+NOTE: This size not available with a size on size outlet.  
 ++NOTE: Recommended for IPS PVC, STEEL, C-900 PVC, Ductile Iron Pipe Diameters. Not recommended for Pit Cast Iron Pipe. For oversized or Pit Cast Iron Pipe, see next larger range.  
 \*NOTE: Not available in 10" OR 12" outlet sizes  
 \*\*NOTE: 10" & 12" Outlets MAXIMUM WORKING PRESSURE 150 PSI, MAXIMUM TEST PRESSURE 200 PSI.  
 For larger sizes and outlets, see JCM 412 Tapping Sleeve or JCM 452 All Stainless Steel Tapping Sleeve.

HOW TO ORDER - JCM TAPPING SLEEVES

- Determine O.D. of pipe.
- Select proper sleeve O.D. range.
- Specify catalog number and outlet size.  
 Example: For PVC pipe with 8.63 O.D. with 6" outlet, order: 432-0863 x 6. For carbon steel flange, order 462-0863 x 6.



## Specification for Corrugated Steel Pipe

### Galvanized Steel

**Scope:** This specification covers the manufacture and installation of the galvanized corrugated steel pipe (CSP) detailed in the project plans.

**Material:** The galvanized steel coils shall conform to the applicable requirements of AASHTO M 218 or ASTM A 929.

**Pipe:** The CSP shall be manufactured in accordance with the applicable requirements of AASHTO M-36 or ASTM A 760. The pipe sizes, gauges and corrugations shall be as shown on the project plans.

All fabrication of the product shall occur within the United States.

**Handling & Assembly:** Shall be in accordance with NCSPA's (National Corrugated Steel Pipe Association) recommendations.

**Installation:** Shall be in accordance with AASHTO Standard Specifications for Highway Bridges, Section 26, Division II or ASTM A 798 and in conformance with the project plans and specifications. If there are any inconsistencies or conflicts, the contractor must bring them to the attention of the project engineer.

It is always the contractor's responsibility to follow OSHA guidelines for safe practices.

**Construction Loads:** Construction loads may be higher than final loads. Follow the manufacturer's or NCSPA's guidelines.

18" x 30" sections



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SPECIFICATION  
GALVANIZED  
CORRUGATED STEEL PIPE

DRAWN BY: JPP

REV. BY:

SCALE:

DATE: 8-16-00

DATE:

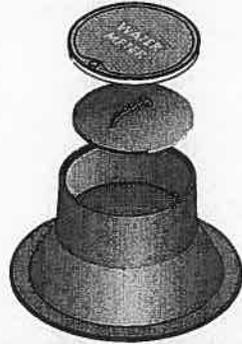
1011248A

Bid Item N

CAST IRON

METER PIT COVER

W3 / W32 - RECESSED



**APPROXIMATE WEIGHT**

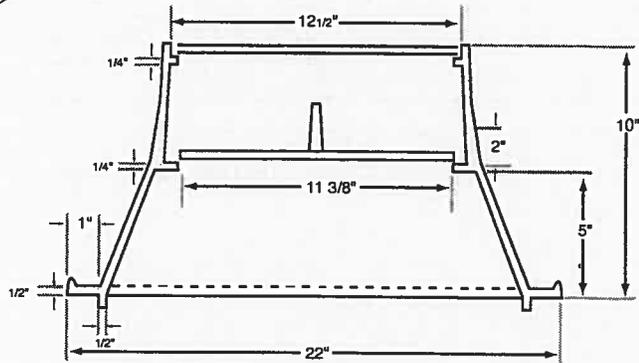
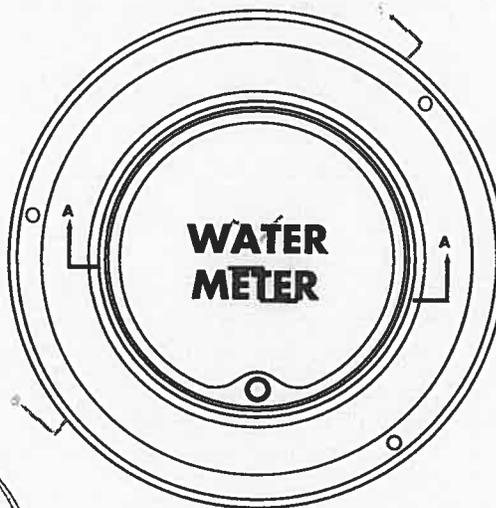
**W32CI**

TOP LID	10 lb	W32TLCI
INNER LID	7 lb	W32ILCI
BODY	50 lb	W32B20CI

H-20 RATED HEAVY DUTY LID 21 lb W32TLHCI

OPTIONAL 2" HOLE IN TOP LID  
OPTIONAL - PLASTIC INNER LID 2" OR 3"  
INLP 2" INLP 3"

NOTE:  
FINISH—BLACK BITUMINOUS PAINT



**CASTINGS INC.**

860 4TH AVE. • P.O. BOX 669 • GRAND JCT, CO 81502 • 970.243.2032 • FAX 970.242.4962



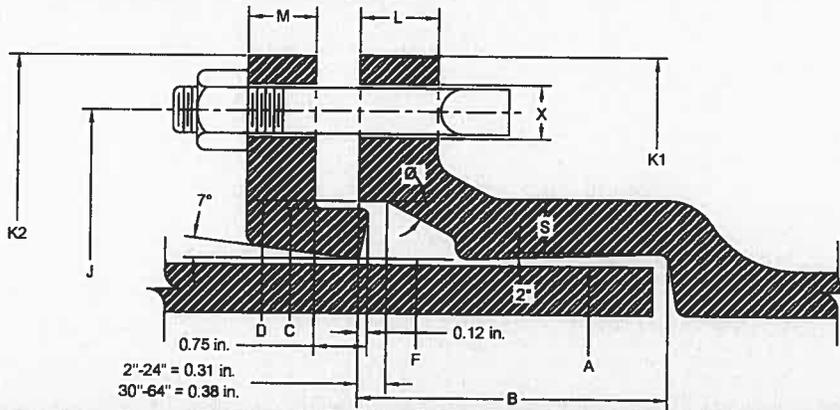
Bid Items O, Q, T, W, X, Y, Z, AA

Compact MJ Fittings  
ANSI/AWWA C153/A21.53

2" - 64" DUCTILE IRON MECHANICAL JOINT COMPACT FITTINGS

GENERAL SPECIFICATIONS

- MATERIAL:** Ductile Iron per ASTM A536
- PRESSURE:** 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes and 150 PSI rating for 54" - 64" sizes
- TESTING:** In accordance with ANSI/AWWA C153/A21.53 and UL requirements
- LAYING LENGTH:** In accordance with ANSI/AWWA C153/A21.53 (fittings not listed in ANSI/AWWA have dimensions per Star design as noted in the catalog)
- DEFLECTION:** 2"-4"=8° | 6"-7" | 8"-12"=5° | 14"-16"=3 1/2° | 18"-24"=3° | 30"-48"=2°
- WEIGHTS:** Are in pounds, unless noted otherwise and do not include accessories, cement lining and coating
- FLANGES:** Flanged ends on fittings match ANSI/AWWA C115/A21.15 and ANSI B16.1 class 125 flanges
- CEMENT LINING:** In accordance with ANSI/AWWA C104/A21.4 -- size 2" - 3" single thickness and sizes 4" - 64" double thickness
- COATING:** Asphaltic seal coat inside and out in accordance with ANSI/AWWA C104/A21.4 and referenced in ANSI/AWWA C153/A21.53
- GASKETS:** SBR in accordance with ANSI/AWWA C111/A21.11 (see pg. 16)
- T-BOLTS/NUTS:** Low alloy steel in accordance with ANSI/AWWA C111/A21.11 (see pg. 18)
- APPROVALS:** 3" - 12" UL/ULC Listed | 3" and greater are UL/NSF-61 | 3" - 16" FM APPROVED. Please consult factory for detail listing and approvals.
- DIMENSIONS:** All dimensions are in inches unless noted otherwise.



STAR PIPE PRODUCTS

MECHANICAL JOINT DIMENSIONS															
NOM. SIZE	A DIA.	B	C DIA.	D DIA.	F DIA.	I DIA.	K1 DIA.	K2 DIA.	L	M	S	Ø	X DIA.	BOLTS	
														SIZE	NO.
2	2.50	2.50	3.39	3.50	2.61	4.75	6.19	6.25	0.58	0.62	0.36	28°	3/8	3/8 x 3	2
3	3.96	2.50	4.84	4.94	4.06	6.19	7.62	7.69	0.58	0.62	0.39	28°	3/8	3/8 x 3	4
4	4.80	2.50	5.92	6.02	4.90	7.50	9.06	9.12	0.60	0.75	0.39	28°	7/8	3/4 x 3 1/2	4
6	6.90	2.50	8.02	8.12	7.00	9.50	11.06	11.12	0.63	0.88	0.43	28°	7/8	3/4 x 3 1/2	6
8	9.05	2.50	10.17	10.27	9.15	11.75	13.31	13.37	0.66	1.00	0.45	28°	7/8	3/4 x 3 1/2	6
10	11.10	2.50	12.22	12.34	11.20	14.00	15.62	15.62	0.70	1.00	0.47	28°	7/8	3/4 x 3 1/2	8
12	13.20	2.50	14.32	14.44	13.30	16.25	17.88	17.88	0.73	1.00	0.49	28°	7/8	3/4 x 3 1/2	8
14	15.30	3.50	16.40	16.54	15.44	18.75	20.25	20.25	0.79	1.25	0.55	28°	7/8	3/4 x 4	10
16	17.40	3.50	18.50	18.64	17.54	21.00	22.50	22.50	0.85	1.31	0.58	28°	7/8	3/4 x 4	12
18	19.50	3.50	20.60	20.74	19.64	23.25	24.83	24.75	1.00	1.38	0.68	28°	7/8	3/4 x 4	12
20	21.60	3.50	22.70	22.84	21.74	25.50	27.08	27.00	1.02	1.44	0.69	28°	7/8	3/4 x 4	14
24	25.80	3.50	26.90	27.04	25.94	30.00	31.58	31.50	1.02	1.56	0.75	28°	7/8	3/4 x 4 1/2	16
30	32.00	4.00	33.29	33.46	32.17	36.88	39.12	39.12	1.31	2.00	0.82	20°	1 1/8	1 x 5 1/2	20
36	38.30	4.00	39.59	39.76	38.47	43.75	46.00	46.00	1.45	2.00	1.00	20°	1 1/8	1 x 5 1/2	24
42	44.50	4.00	45.79	45.96	44.67	50.62	53.12	53.12	1.45	2.00	1.25	20°	1 3/8	1 1/4 x 6	28
48	50.80	4.00	52.09	52.26	50.97	57.50	60.00	60.00	1.45	2.00	1.35	20°	1 3/8	1 1/4 x 6	32
54	{Fittings & Dimensions Available On Request }														
60															
64															



UCAT1201  
\* REGISTERED TRADEMARK OF STAR PIPE PRODUCTS

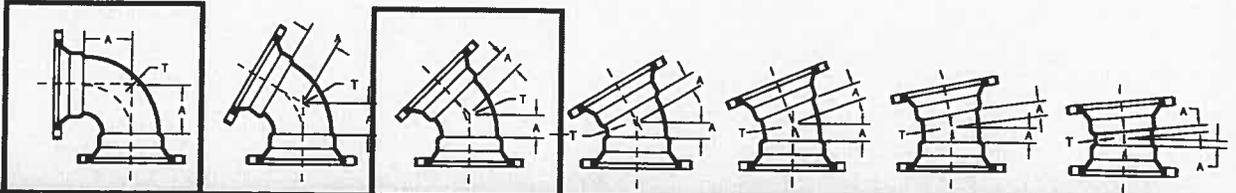
STAR PIPE PRODUCTS  
HOUSTON CORPORATE TOLL FREE 1-800-999-3099 FAX 281-558-9000  
www.starpipeproducts.com



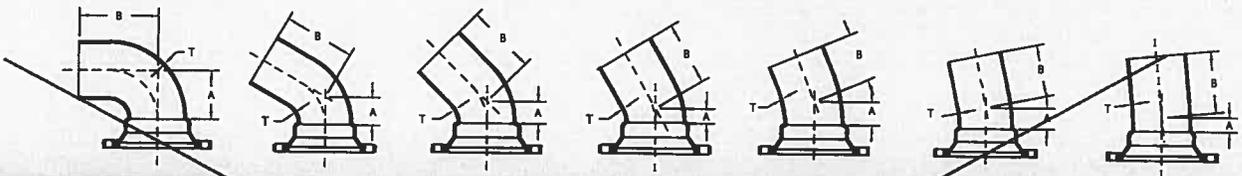
Bid Items X, Y

Compact MJ Fittings

ANSI/AWWA C153/A21.53



NOM. SIZE	MJ x MJ BENDS			90° MJ x MJ BENDS (1/4)			60° MJ x MJ BENDS (1/6)			45° MJ x MJ BENDS (1/8)			30° MJ x MJ BENDS (1/12)			22 1/2° MJ x MJ BENDS (1/16)			11 1/4° MJ x MJ BENDS (1/32)			5 3/8° MJ x MJ BENDS (1/64)		
	T	A	WT (LBS.)	A	WT (LBS.)	A	WT (LBS.)	A	WT (LBS.)	A	WT (LBS.)	A	WT (LBS.)	A	WT (LBS.)	A	WT (LBS.)	A	WT (LBS.)	A	WT (LBS.)	A	WT (LBS.)	
2	0.30	3.25	14	-	-	1.80	13	-	-	1.00	9	1.00	8	-	-	-	-	-	-	-	-	-	-	
3	0.33	3.50	23	-	-	1.50	21	-	-	1.00	16	1.00	14	-	-	-	-	-	-	-	-	-	-	
4	0.34	4.00	27	-	-	2.00	23	-	-	1.50	18	1.25	16	-	-	-	-	-	-	-	-	-	-	
6	0.36	5.00	39	-	-	3.00	32	-	-	2.00	32	1.50	30	-	-	-	-	-	-	-	-	-	-	
8	0.38	6.50	57	-	-	3.50	46	-	-	2.50	46	1.75	42	-	-	-	-	-	-	-	-	-	-	
10	0.40	7.50	89	-	-	4.50	70	-	-	3.00	64	2.00	58	-	-	-	-	-	-	-	-	-	-	
12	0.42	9.00	108	-	-	5.50	86	-	-	3.50	84	2.25	74	-	-	-	-	-	-	-	-	-	-	
14	0.47	11.50	180	-	-	5.00	145	-	-	3.75	140	2.50	128	-	-	-	-	-	-	-	-	-	-	
16	0.50	12.50	264	-	-	5.50	202	-	-	3.75	178	2.50	148	-	-	-	-	-	-	-	-	-	-	
18	0.54	14.00	335	-	-	6.00	250	-	-	4.50	255	3.00	205	-	-	-	-	-	-	-	-	-	-	
20	0.57	15.00	400	-	-	7.00	305	-	-	4.50	262	3.00	245	-	-	-	-	-	-	-	-	-	-	
24	0.61	17.00	565	-	-	7.50	405	-	-	4.50	412	3.00	315	-	-	-	-	-	-	-	-	-	-	
30	0.66	21.50	1005	13.50	843	11.50	798	9.75	692	6.75	665	4.75	568	-	-	-	-	-	-	-	-	-	-	
36	0.74	24.50	1562	17.00	1350	11.50	1164	11.00	1080	7.75	960	5.00	840	5.00	825	-	-	-	-	-	-	-	-	
42	0.82	29.25	2506	19.00	2150	14.00	1792	12.00	1465	9.00	1350	6.00	1319	6.00	1125	-	-	-	-	-	-	-	-	
48	0.90	33.25	3045	21.00	2650	15.00	2390	13.25	2075	10.00	1886	6.50	1700	6.50	1600	-	-	-	-	-	-	-	-	



NOM. SIZE	MJ x PE BENDS				90° MJ x PE BENDS (1/4)				60° MJ x PE BENDS (1/6)				45° MJ x PE BENDS (1/8)				30° MJ x PE BENDS (1/12)				22 1/2° MJ x PE BENDS (1/16)				11 1/4° MJ x PE BENDS (1/32)				5 3/8° MJ x PE BENDS (1/64)			
	T	A	B	WT (LBS.)	A	B	WT (LBS.)	A	B	WT (LBS.)	A	B	WT (LBS.)	A	B	WT (LBS.)	A	B	WT (LBS.)	A	B	WT (LBS.)	A	B	WT (LBS.)	A	B	WT (LBS.)				
3	0.33	3.50	8.50	16	-	-	-	1.50	7.00	13	-	-	-	1.00	6.50	12	1.00	6.50	12	-	-	-	-	-	-	-	-	-	-			
4	0.34	4.00	9.50	22	-	-	-	2.00	7.50	19	-	-	-	1.50	7.00	18	1.25	6.25	17	-	-	-	-	-	-	-	-	-	-			
6	0.36	5.00	12.00	40	-	-	-	3.00	8.50	31	-	-	-	2.00	7.50	29	1.50	7.00	27	-	-	-	-	-	-	-	-	-	-			
8	0.38	6.50	12.50	61	-	-	-	3.50	9.00	46	-	-	-	2.50	8.00	43	1.75	7.25	39	-	-	-	-	-	-	-	-	-	-			
10	0.40	7.50	13.00	83	-	-	-	4.50	10.00	68	-	-	-	3.00	8.50	61	2.00	7.50	57	-	-	-	-	-	-	-	-	-	-			
12	0.42	9.00	14.50	114	-	-	-	5.50	11.00	95	-	-	-	3.50	9.00	81	2.25	7.75	70	-	-	-	-	-	-	-	-	-	-			
14	0.47	11.50	19.50	197	-	-	-	5.00	13.00	148	-	-	-	3.75	11.25	133	2.50	10.50	122	-	-	-	-	-	-	-	-	-	-			
16	0.50	12.50	20.50	248	-	-	-	5.50	13.50	184	-	-	-	3.75	11.75	166	2.50	10.50	148	-	-	-	-	-	-	-	-	-	-			
18	0.54	14.00	21.00	325	-	-	-	6.00	13.00	235	-	-	-	6.00	13.00	235	6.00	13.00	235	-	-	-	-	-	-	-	-	-	-			
20	0.57	15.00	22.50	390	-	-	-	7.00	14.00	300	-	-	-	7.00	14.00	300	7.00	14.00	300	-	-	-	-	-	-	-	-	-	-			
24	0.61	17.00	25.00	575	-	-	-	7.50	14.50	390	-	-	-	7.50	14.50	395	7.50	14.50	400	-	-	-	-	-	-	-	-	-	-			
30	0.66	22.75	31.75	865	13.50	22.50	846	10.50	19.50	715	9.75	18.75	762	6.75	15.75	600	4.75	13.75	535	4.75	13.75	505	-	-	-	-	-	-	-			
36	0.74	24.50	33.50	1355	-	-	-	12.00	21.00	1040	-	-	-	7.75	16.75	865	5.00	14.00	725	-	-	-	-	-	-	-	-	-	-			
42	0.82	29.25	38.25	2055	-	-	-	14.00	23.00	1460	-	-	-	9.00	18.00	1200	6.00	15.00	1030	-	-	-	-	-	-	-	-	-	-			
48	0.90	33.25	42.25	2805	-	-	-	15.00	24.00	1905	-	-	-	10.00	19.00	1575	6.50	15.50	1290	-	-	-	-	-	-	-	-	-	-			

STAR PIPE PRODUCTS

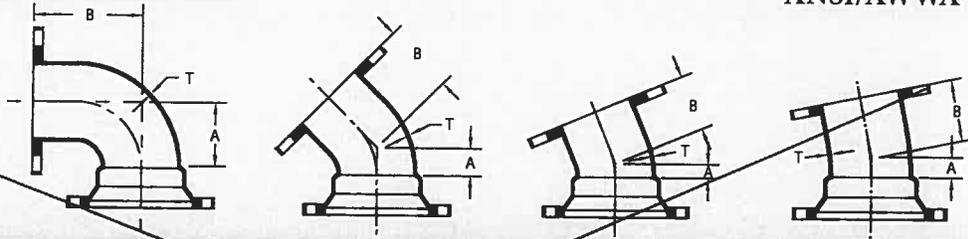
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\*REGISTERED TRADEMARK OF STAR PIPE PRODUCTS



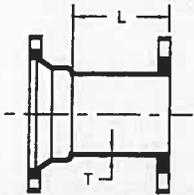
Bid Items T, W, AA

## Compact MJ Fittings

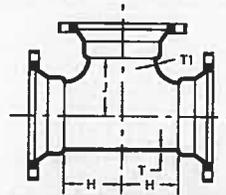
ANSI/AWWA C153/A21.53



MJ x FE BENDS		90° MJ x FE BENDS (1/4)			45° MJ x FE BENDS (1/8)			22 1/2° MJ x FE BENDS (1/16)			11 1/4° MJ x FE BENDS (1/32)		
NOM. SIZE	T	A	B	WT (LBS.)	A	B	WT (LBS.)	A	B	WT (LBS.)	A	B	WT (LBS.)
3	0.33	3.50	5.50	20	1.50	3.00	17	1.00	3.00	17	1.00	3.00	15
4	0.34	4.00	6.50	26	2.00	4.00	24	1.50	4.00	26	1.25	4.00	19
6	0.36	5.00	8.00	47	3.50	5.00	40	2.00	5.00	36	1.50	5.00	30
8	0.38	6.50	9.00	68	3.50	5.50	57	2.50	5.50	53	1.75	5.50	50
10	0.40	7.50	11.00	102	4.50	6.50	83	3.00	6.50	102	2.00	6.50	75
12	0.42	9.00	12.00	134	5.50	7.50	110	3.50	7.50	134	2.25	7.50	88
14	0.47	11.50	14.00	227	5.00	7.50	207	---	---	---	---	---	---
16	0.50	12.50	15.00	306	5.50	8.00	239	3.75	8.00	228	---	---	---
30	0.66	21.50	25.00	1070	10.50	15.00	858	---	---	---	---	---	---
36	0.74	24.50	28.00	---	---	---	---	---	---	---	---	---	---



MJ x FLANGE ADAPTER			
NOM. SIZE	T	L	WT (LBS.)
3	0.33	3.50	13
4	0.34	3.50	22
6	0.36	3.50	32
8	0.38	3.50	54
10	0.40	4.00	67
12	0.42	4.00	91
14	0.47	5.00	141
16	0.50	5.00	170
18	0.54	5.00	221
20	0.57	5.00	252
24	0.61	5.00	324
30	0.66	7.00	558
36	0.74	8.50	796
42	0.82	12.00	1190
48	0.90	12.00	1653



MJ x MJ TEES					
NOM. SIZE	T	T1	H	J	WT (LBS.)
2 x 2	0.39	0.39	3.25	3.25	20
3 x 2	0.48	0.39	3.50	3.50	43
3 x 3	0.33	0.33	3.00	3.00	28
4 x 2	0.34	0.30	3.00	4.00	29
4 x 3	0.34	0.33	3.50	4.00	30
4 x 4	0.34	0.34	4.00	4.00	32
6 x 3	0.36	0.33	3.50	5.00	42
6 x 4	0.36	0.34	4.00	5.00	46
6 x 6	0.36	0.36	5.00	5.00	56
6 x 6 x 8	0.36	0.38	6.50	6.50	62
8 x 3	0.38	0.33	4.00	6.50	52
8 x 4	0.38	0.34	4.00	6.50	60
8 x 6	0.38	0.36	5.00	6.50	72
8 x 6 x 6	0.38	0.38	5.00	6.50	62
8 x 6 x 8	0.38	0.38	6.00	6.50	85
8 x 8	0.38	0.38	6.50	6.50	86
10 x 3	0.40	0.33	4.00	7.50	75
10 x 4	0.40	0.34	4.00	7.50	78
10 x 6	0.40	0.36	5.00	7.50	90
10 x 8	0.40	0.38	6.50	7.50	105
10 x 10	0.40	0.40	7.50	7.50	120
12 x 3	0.42	0.33	4.00	8.75	90
12 x 4	0.42	0.34	4.00	8.75	94

(Cont)

UCAT 12.01

\*REGISTERED TRADEMARK OF STAR PIPE PRODUCTS

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HOUSTON CORPORATE TOLL FREE 1-800-999-3009 FAX 281-558-9000  
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STAR<sup>®</sup> PIPE PRODUCTS



Bid Item Z

Compact MJ Fittings

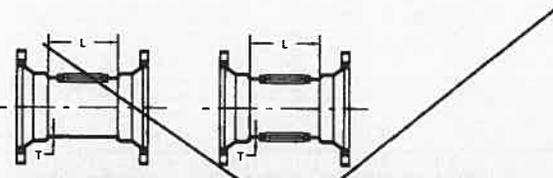
ANSI/AWWA C153/A21.53

STAR PIPE PRODUCTS

MJ x MJ TEES (Con't)					
NOM. SIZE	T	T1	H	J	WT (LBS.)
12 x 6	0.42	0.36	5.00	8.75	110
12 x 8	0.42	0.38	6.50	8.75	125
12 x 10	0.42	0.40	7.50	8.75	140
12 x 12	0.42	0.42	8.75	8.75	160
14 x 6	0.47	0.36	6.50	10.50	182
14 x 8	0.47	0.38	7.50	10.50	190
14 x 10	0.47	0.40	8.50	10.50	206
14 x 12	0.47	0.42	9.50	10.50	221
14 x 14	0.47	0.47	10.50	10.50	251
16 x 6	0.50	0.36	6.50	11.50	218
16 x 8	0.50	0.38	7.50	11.50	223
16 x 10	0.50	0.40	8.50	11.50	264
16 x 12	0.50	0.42	9.50	11.50	280
16 x 14	0.50	0.47	10.50	11.50	316
16 x 16	0.50	0.50	11.50	11.50	322
18 x 6	0.54	0.36	6.50	12.50	275
18 x 8	0.54	0.38	7.50	12.50	295
18 x 10	0.54	0.40	8.50	12.50	315
18 x 12	0.54	0.42	9.50	12.50	335
18 x 14	0.54	0.47	10.50	12.50	380
18 x 16	0.54	0.50	11.50	12.50	405
18 x 18	0.54	0.54	12.50	12.50	435
20 x 6	0.57	0.36	6.50	14.00	315
20 x 8	0.57	0.38	8.00	14.00	345
20 x 10	0.57	0.40	9.00	14.00	370
20 x 12	0.57	0.42	10.00	14.00	395
20 x 14	0.57	0.47	11.00	14.00	440
20 x 16	0.57	0.50	12.00	14.00	465
20 x 18	0.57	0.54	13.00	14.00	505
20 x 20	0.57	0.57	14.00	14.00	535
24 x 6	0.61	0.36	7.00	16.00	415
24 x 8	0.61	0.38	8.00	16.00	445
24 x 10	0.61	0.40	9.00	16.00	470
24 x 12	0.61	0.42	10.00	16.00	500
24 x 14	0.61	0.47	11.00	16.00	550
24 x 16	0.61	0.50	12.00	16.00	580
24 x 18	0.61	0.54	13.00	16.00	625
24 x 20	0.61	0.57	14.00	16.00	660
24 x 24	0.61	0.61	16.00	16.00	720
30 x 6	0.66	0.36	8.00	20.00	970
30 x 8	0.66	0.38	8.50	20.00	739
30 x 12	0.66	0.42	10.00	20.00	830
30 x 14	0.66	0.47	11.00	20.00	880
30 x 16	0.66	0.50	12.50	20.00	878
30 x 18	0.66	0.54	14.00	20.00	1039
30 x 20	0.66	0.57	15.00	20.00	1000
30 x 24	0.66	0.61	21.00	22.00	1389
30 x 30	0.66	0.66	20.00	20.00	1323
36 x 4	0.74	0.34	7.00	23.50	924
36 x 6	0.74	0.36	8.00	23.50	1045
36 x 8	0.74	0.38	9.00	23.50	1095
36 x 10	0.74	0.40	9.00	23.50	1024
36 x 12	0.74	0.42	10.00	23.50	1072

(Con't)➡

MJ x MJ TEES (Con't)					
NOM. SIZE	T	T1	H	J	WT (LBS.)
36 x 14	0.74	0.47	11.00	23.50	1135
36 x 16	0.74	0.50	12.50	23.50	1385
36 x 18	0.74	0.54	13.00	23.50	1455
36 x 20	0.74	0.57	15.00	23.50	1631
36 x 24	0.74	0.61	16.00	27.50	1550
36 x 30	0.74	0.66	20.00	23.50	1986
36 x 36	0.74	0.74	23.50	23.50	2072
42 x 6	0.82	0.36	9.00	27.50	1534
42 x 12	0.82	0.42	14.00	27.50	1885
42 x 16	0.82	0.50	13.00	27.50	1929
42 x 18	0.82	0.54	16.00	27.50	2072
42 x 20	0.82	0.57	18.00	27.50	1947
42 x 24	0.82	0.61	20.00	27.50	2270
42 x 30	0.82	0.66	22.00	29.50	2608
42 x 36	0.82	0.74	30.00	30.00	3000
42 x 42	0.82	0.82	30.00	30.00	3175
48 x 6	0.90	0.36	10.00	32.00	1949
48 x 12	0.90	0.42	14.00	32.00	2535
48 x 16	0.90	0.50	13.00	32.00	2657
48 x 18	0.90	0.54	16.00	32.00	2293
48 x 24	0.90	0.61	23.00	32.00	2870
48 x 30	0.90	0.66	23.00	32.00	3050
48 x 36	0.90	0.74	33.50	32.25	3900
48 x 42	0.90	0.82	33.50	33.50	4100
48 x 48	0.90	0.90	33.50	33.50	4250
54 x 10	{ Dimensions Available On Request... }				
54 x 24					
54 x 30					
54 x 54					
60 x 30					
64 x 64					



MJ x MJ TAPPED TEES / CROSSES (2" TAP)				
NOM. SIZE	T	L	MAX TAP	WT (LBS.)
3	0.33	6.00	2 1/2	18
4	0.34	6.00	3	25
6	0.36	6.00	3	42
8	0.38	6.00	3	55
10	0.40	6.00	3	78
12	0.42	6.00	3	85
16	0.50	6.00	3	164
24	0.61	8.00	3	325

Threads in Accordance with ANSI-ASME B1.20.1

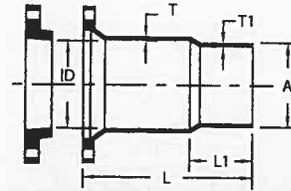
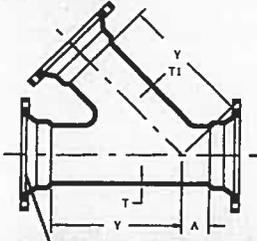
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# Compact MJ Fittings

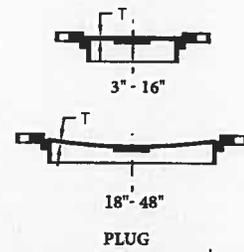
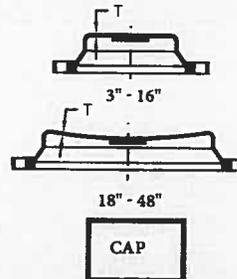
ANSI/AWWA C153/A21.53



45° MJ LATERALS					
NOM. SIZE	T	T1	A	Y	WT (LBS.)
3x3	0.33	0.33	2.50	8.50	36
4x3	0.34	0.33	2.50	8.50	40
4x4	0.34	0.34	2.50	8.50	41
6x4	0.36	0.34	1.50	11.00	53
6x6	0.36	0.36	3.00	12.50	85
8x4	0.38	0.34	0.50	13.00	73
8x6	0.38	0.36	2.00	14.50	90
8x8	0.38	0.38	3.50	16.00	102
10x4	0.40	0.34	0.00	15.00	150
10x6	0.40	0.36	1.00	16.00	158
10x8	0.40	0.38	2.50	17.00	172
10x10	0.40	0.40	3.50	19.00	210
12x4	0.42	0.34	0.00	16.50	150
12x6	0.42	0.36	1.50	18.50	186
12x8	0.42	0.38	1.50	18.50	188
12x10	0.42	0.40	3.00	20.00	250
12x12	0.42	0.42	4.50	22.50	272
14x6	0.47	0.36	0	19.50	245
14x8	0.47	0.38	1.50	21.00	279
14x10	0.47	0.40	3.00	22.50	316
14x14	0.47	0.47	6.00	25.00	474
16x6	0.50	0.36	0.00	21.00	300
16x8	0.50	0.38	0.50	22.50	349
16x10	0.50	0.40	2.00	24.00	370
16x12	0.50	0.42	3.50	25.00	453
16x14	0.50	0.47	5.00	26.50	500
16x16	0.50	0.50	6.50	28.00	575

MJ x PE CUTTING IN SLEEVE W/ OVER SIZE GLAND							
NOM. SIZE	ID	T	T1	A	L	L1	WT (LBS.)
4	5.10	0.36	0.34	4.80	20.00	9.00	50
6	7.20	0.38	0.36	6.90	20.00	9.00	62
8	9.40	0.40	0.38	9.05	20.00	9.00	70
10	11.50	0.42	0.40	11.10	20.00	9.00	105
12	13.60	0.47	0.42	13.20	20.00	9.00	128
16	17.94	0.54	0.50	17.40	20.00	9.00	275

Bid Items O, Q

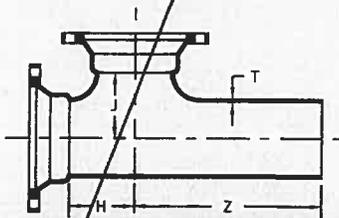


MJ CAPS & PLUGS (SOLID OR TAPPED)				
NOM. SIZE	T	MAX. TAP	WT (LBS.)	
			PLUGS	CAPS
3	0.48	2	9	8
4	0.34	2	12	9
6	0.42	2	21	15
8	0.44	2	32	22
10	0.46	2	40	32
12	0.48	2	54	42
14	0.55	2 1/2	77	86
16	0.56	2 1/2	101	79
18	0.54	2 1/2	136	120
20	0.57	2 1/2	161	140
24	0.61	3	236	199
30	0.70	4	388	357
36	1.03	4	691	633
42	1.13	4	969	893
48	1.13	4	1296	1114

Threads in Accordance with ANSI/ASME B1.20.1

6x2 tapt  
8x2 tapt

STAR PIPE PRODUCTS



MJ x PE x MJ TEES					
NOM. SIZE	T	H	J	Z	WT (LBS.)
6x6	0.36	5.00	5.00	12.00	57
8x6	0.38	5.50	6.50	11.50	69
8x8	0.38	6.50	6.50	12.50	77
10x10	0.40	7.50	7.50	13.00	120





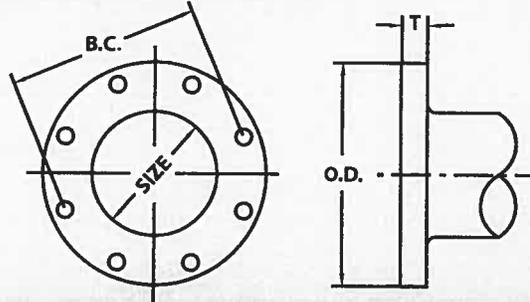
Bid Items S, T, W

**Flanged Fittings**  
ANSI/AWWA C110/A21.10

**1" - 64" DUCTILE IRON FLANGED FITTINGS**

**GENERAL SPECIFICATIONS**

- MATERIAL:** Ductile iron per ASTM A536
- PRESSURE:** 250 PSI rating for 1" - 48" sizes and 150 PSI rating for 54" - 64"
- TESTING:** In accordance with ANSI/AWWA C110/A21.10, UL and FM requirements
- LAYING LENGTH:** 2" - 48" sizes in accordance with ANSI/AWWA C110/A21.10 and ANSI B16.1 and 54" - 64" sizes in accordance with ANSI/AWWA C153/A21.53 (fittings not listed in ANSI/AWWA have dimensions per Star design as noted in the catalog)
- WEIGHTS:** Are in pounds, unless noted otherwise and do not include accessories, cement lining and coatings
- DRILLING:** In accordance with ANSI/AWWA C110/A21.10, ANSI/AWWA C153/A21.53 and ANSI B16.1 Class 125 Flanges
- CEMENT LINING:** In accordance with ANSI/AWWA C104/A21.4 - sizes 1"- 3" single thickness and sizes 4"- 64" double thickness
- COATING:** Asphaltic seal coat inside in accordance with ANSI/AWWA C104/A21.4 and prime coat outside
- APPROVALS:** 4" - 12" Underwriters Laboratories Listed and Factory Mutual approved for 300 PSI rating 2" and greater are UL/NSF-61
- DIMENSIONS:** All dimensions are in inches unless noted otherwise



STAR<sup>®</sup> PIPE PRODUCTS

**FLANGE DETAILS**

★	NOM. SIZE	O.D.	B.C.	T	BOLT HOLE DIA.	BOLTS	
						SIZE	NO.
★	1	4.25	3.12	0.44	0.62	1/2 x 2	4
★	1 1/2	5.00	3.88	0.56	0.62	1/2 x 2	4
★	2	6.00	4.75	0.62	0.75	3/8 x 2 1/4	4
★	2 1/2	7.00	5.50	0.69	0.75	3/8 x 2 1/2	4
	3	7.50	6.00	0.75	0.75	3/8 x 2 1/2	4
	4	9.00	7.50	0.94	0.75	3/8 x 3	8
★	5	10.00	8.50	0.94	0.88	3/8 x 3	8
→	6	11.00	9.50	1.00	0.88	3/8 x 3 1/2	8
→	8	13.50	11.75	1.12	0.88	3/8 x 3 1/2	8
→	10	16.00	14.25	1.19	1.00	7/8 x 4	12
	12	19.00	17.00	1.25	1.00	7/8 x 4	12
	14	21.00	18.75	1.38	1.13	1 x 4 1/2	12
	16	23.50	21.25	1.44	1.13	1 x 4 1/2	16
	18	25.00	22.75	1.56	1.25	1 1/8 x 5	16
	20	27.50	25.00	1.69	1.25	1 1/8 x 5	20
	24	32.00	29.50	1.88	1.38	1 1/4 x 5 1/2	20
	30	38.75	36.00	2.12	1.38	1 1/4 x 6 1/2	28
	36	46.00	42.75	2.38	1.63	1 1/2 x 7	32
	42	53.00	49.50	2.62	1.63	1 1/2 x 7 1/2	36
	48	59.50	56.00	2.75	1.63	1 1/2 x 8	44
★	54	66.25	62.75	3.00	2.00	1 3/4 x 8 1/2	44
★	60	73.00	69.25	3.12	2.00	1 3/4 x 9	52
★	64	80.00	76.00	3.38	2.00	1 3/4 x 9	52



\*Not Included In AWWA C110

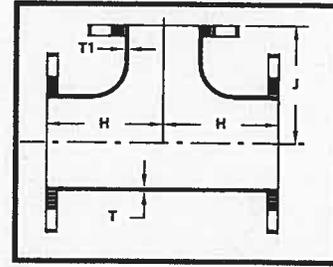
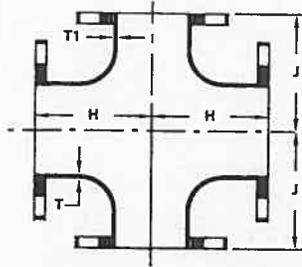
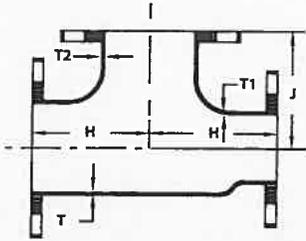
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Flanged Fittings  
ANSI/AWWA C110/A21.10



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FLANGED TEES & CROSSES								
NOM. SIZE	T	T1	T2	H	J	WT. (LBS.)		
						TEE	CROSS	
★ 1 1/2 x 1 1/2 x 2	0.31	0.31	0.31	4.50	4.50	15	—	
★ 2 x 1 1/2 x 1 1/2	0.31	0.31	0.31	4.50	4.50	16	—	
★ 2 x 2	0.31	0.31	—	4.50	4.50	20	—	
★ 2 1/2 x 2 x 2	0.31	0.31	0.31	5.00	5.00	27	—	
★ 2 1/2 x 2 x 2 1/2	0.31	0.31	0.31	5.00	5.00	28	—	
★ 2 1/2 x 1	0.31	0.31	—	5.00	5.00	25	—	
★ 2 1/2 x 1 1/2	0.31	0.31	—	5.00	5.00	26	—	
★ 2 1/2 x 2 1/2	0.31	0.31	—	5.00	5.00	30	—	
★ 3 x 1	0.48	0.31	—	5.50	5.50	32	—	
★ 3 x 1 1/2	0.48	0.31	—	5.50	5.50	33	—	
★ 3 x 2	0.48	0.31	—	5.50	5.50	35	45	
★ 3 x 2 1/2	0.48	0.31	—	5.50	5.50	36	—	
★ 3 x 3	0.48	0.48	—	5.50	5.50	40	50	
★ 4 x 3 x 3	0.52	0.48	0.48	6.50	5.50	55	—	
★ 4 x 2	0.52	0.31	—	6.50	6.50	50	60	
★ 4 x 2 1/2	0.52	0.31	—	6.50	6.50	56	65	
★ 4 x 3	0.52	0.48	—	6.50	6.50	60	70	
★ 4 x 4	0.52	0.52	—	6.50	6.50	65	80	
★ 4 x 4 x 5	0.50	0.50	0.50	7.50	7.50	75	—	
★ 4 x 4 x 6	0.52	0.52	0.55	8.00	8.00	90	—	
★ 5 x 2 1/2	0.50	0.31	—	7.50	7.50	73	—	
★ 5 x 4	0.50	0.50	—	7.50	7.50	77	—	
★ 5 x 5	0.50	0.50	—	7.50	7.50	80	—	
★ 5 x 5 x 6	0.50	0.50	0.55	8.00	8.00	87	—	
★ 6 x 3 x 5	0.55	0.48	0.50	8.00	8.00	81	—	
★ 6 x 4 x 4	0.55	0.52	0.52	8.00	8.00	85	—	
★ 6 x 4 x 5	0.55	0.50	0.50	8.00	8.00	85	—	
★ 6 x 4 x 6	0.55	0.52	0.55	8.00	8.00	90	—	
★ 6 x 5 x 2 1/2	0.55	0.50	0.31	8.00	8.00	73	—	
★ 6 x 5 x 3	0.55	0.50	0.48	8.00	8.00	81	—	
★ 6 x 5 x 5	0.55	0.50	0.50	8.00	8.00	87	—	
★ 6 x 2	0.55	0.31	—	8.00	8.00	82	90	
★ 6 x 2 1/2	0.55	0.31	—	8.00	8.00	84	—	
★ 6 x 3	0.55	0.48	—	8.00	8.00	85	95	
★ 6 x 4	0.55	0.52	—	8.00	8.00	90	110	
★ 6 x 5	0.55	0.50	—	8.00	8.00	91	—	
★ 6 x 6	0.55	0.55	—	8.00	8.00	95	120	
★ 6 x 6 x 8	0.55	0.55	0.60	9.00	9.00	140	—	
★ 8 x 4 x 8	0.60	0.52	0.60	9.00	9.00	138	—	
★ 8 x 5 x 4	0.60	0.50	0.50	9.00	9.00	126	—	
★ 8 x 6 x 4	0.60	0.55	0.52	9.00	9.00	130	—	
★ 8 x 6 x 6	0.60	0.55	0.55	9.00	9.00	135	—	

FLANGED TEES & CROSSES (Con't)								
NOM. SIZE	T	T1	T2	H	J	WT. (LBS.)		
						TEE	CROSS	
★ 8 x 6 x 8	0.60	0.55	0.60	9.00	9.00	145	—	
★ 8 x 2 1/2	0.60	0.31	—	9.00	9.00	128	—	
★ 8 x 3	0.60	0.48	—	9.00	9.00	130	140	
★ 8 x 4	0.60	0.52	—	9.00	9.00	140	155	
★ 8 x 5	0.60	0.50	—	9.00	9.00	144	—	
★ 8 x 6	0.60	0.55	—	9.00	9.00	145	165	
★ 8 x 8	0.60	0.60	—	9.00	9.00	155	195	
★ 8 x 8 x 10	0.60	0.60	0.68	11.00	11.00	260	—	
★ 8 x 8 x 12	0.60	0.60	0.75	12.00	12.00	310	—	
★ 10 x 4 x 10	0.68	0.52	0.68	11.00	11.00	250	—	
★ 10 x 6 x 4	0.68	0.55	0.52	11.00	11.00	195	—	
★ 10 x 6 x 6	0.68	0.55	0.55	11.00	11.00	200	—	
★ 10 x 6 x 10	0.68	0.55	0.68	11.00	11.00	255	—	
★ 10 x 8 x 6	0.68	0.60	0.55	11.00	11.00	210	—	
★ 10 x 8 x 8	0.68	0.60	0.60	11.00	11.00	220	—	
★ 10 x 8 x 10	0.68	0.60	0.68	11.00	11.00	265	—	
★ 10 x 2	0.68	0.31	—	11.00	11.00	199	—	
★ 10 x 3	0.68	0.48	—	11.00	11.00	201	—	
★ 10 x 4	0.68	0.52	—	11.00	11.00	205	220	
★ 10 x 5	0.68	0.50	—	11.00	11.00	211	—	
★ 10 x 6	0.68	0.55	—	11.00	11.00	215	240	
★ 10 x 8	0.68	0.60	—	11.00	11.00	225	265	
★ 10 x 10	0.68	0.68	—	11.00	11.00	270	330	
★ 10 x 10 x 12	0.68	0.68	0.75	12.00	12.00	355	—	
★ 10 x 10 x 14	0.68	0.68	0.66	14.00	14.00	375	—	
★ 12 x 6 x 6	0.75	0.55	0.55	12.00	12.00	325	—	
★ 12 x 6 x 8	0.75	0.55	0.60	12.00	12.00	345	—	
★ 12 x 8 x 6	0.75	0.60	0.55	12.00	12.00	340	—	
★ 12 x 8 x 8	0.75	0.60	0.60	12.00	12.00	290	—	
★ 12 x 8 x 12	0.75	0.60	0.75	12.00	12.00	365	—	
★ 12 x 10 x 6	0.75	0.68	0.55	12.00	12.00	375	—	
★ 12 x 10 x 8	0.75	0.68	0.60	12.00	12.00	380	—	
★ 12 x 10 x 10	0.75	0.68	0.68	12.00	12.00	345	—	
★ 12 x 10 x 12	0.75	0.68	0.75	12.00	12.00	370	—	
★ 12 x 4	0.75	0.52	—	12.00	12.00	290	310	
★ 12 x 5	0.75	0.50	—	12.00	12.00	291	—	
★ 12 x 6	0.75	0.55	—	12.00	12.00	295	320	
★ 12 x 8	0.75	0.60	—	12.00	12.00	310	345	
★ 12 x 10	0.87	0.80	—	12.00	12.00	360	415	
★ 12 x 12	0.87	0.87	—	12.00	12.00	385	460	
★ 14 x 4	0.66	0.52	—	14.00	14.00	370	—	
★ 14 x 6	0.66	0.55	—	14.00	14.00	375	400	

(Con't) →

(Con't) →

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\*Not Included in AWWA C110

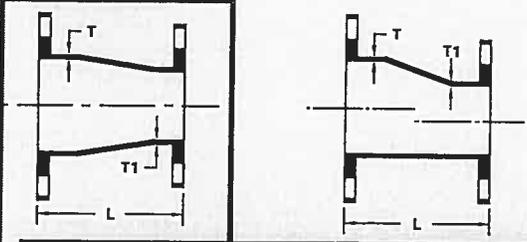
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Bid Items T, W

## Flanged Fittings

ANSI/AWWA C110/A21.10



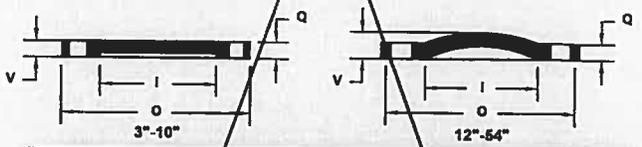
### FE CONCENTRIC & ECCENTRIC REDUCERS

NOM. SIZE	T	T1	A	WT (LBS.)
2 x 1 1/2	0.31	0.31	5.50	10
2 1/2 x 2	0.31	0.31	5.50	14
3 x 2	0.48	0.31	6.00	16
3 x 2 1/2	0.48	0.31	6.00	21
4 x 2	0.52	0.31	7.00	25
4 x 2 1/2	0.52	0.31	7.00	28
4 x 3	0.52	0.48	7.00	30
5 x 2	0.50	0.31	8.00	34
5 x 2 1/2	0.50	0.31	8.00	35
5 x 3	0.50	0.48	8.00	37
5 x 4	0.50	0.50	8.00	41
6 x 1 1/2	0.55	0.31	9.00	33
6 x 2	0.55	0.31	9.00	35
6 x 2 1/2	0.55	0.31	9.00	38
6 x 3	0.55	0.48	9.00	40
6 x 4	0.55	0.52	9.00	45
6 x 5	0.55	0.52	9.00	52
8 x 3	0.60	0.48	11.00	60
8 x 4	0.60	0.52	11.00	65
8 x 5	0.60	0.52	11.00	70
8 x 6	0.60	0.55	11.00	75
10 x 3	0.68	0.48	12.00	81
10 x 4	0.68	0.52	12.00	85
10 x 6	0.68	0.55	12.00	90
10 x 8	0.68	0.60	12.00	110
12 x 4	0.75	0.52	14.00	120
12 x 5	0.75	0.50	14.00	126
12 x 6	0.75	0.55	14.00	130
12 x 8	0.75	0.60	14.00	145
12 x 10	0.75	0.68	14.00	170
14 x 6	0.66	0.55	16.00	155
14 x 8	0.66	0.60	16.00	175
14 x 10	0.66	0.68	16.00	190
14 x 12	0.66	0.75	16.00	248
16 x 6	0.70	0.55	18.00	190
16 x 8	0.70	0.60	18.00	210
16 x 10	0.70	0.68	18.00	235
16 x 12	0.70	0.75	18.00	265
16 x 14	0.70	0.66	18.00	280
18 x 8	0.75	0.60	19.00	240
18 x 10	0.75	0.68	19.00	265
18 x 12	0.75	0.75	19.00	295
18 x 14	0.75	0.66	19.00	310
18 x 16	0.75	0.70	19.00	340
20 x 8	0.80	0.60	20.00	290
20 x 10	0.80	0.68	20.00	310
20 x 12	0.80	0.75	20.00	345
20 x 14	0.80	0.66	20.00	355

(Con't)➤

### FE CONCENTRIC & ECCENTRIC REDUCERS (Con't)

NOM. SIZE	T	T1	A	WT (LBS.)
20 x 16	0.80	0.70	20.00	390
20 x 18	0.80	0.75	20.00	410
24 x 2	0.89	0.75	24.00	480
24 x 14	0.89	0.66	24.00	490
24 x 16	0.89	0.70	24.00	525
24 x 18	0.89	0.75	24.00	550
24 x 20	0.89	0.80	24.00	590
30 x 8	1.03	0.60	30.00	700
30 x 12	1.03	0.75	30.00	730
30 x 14	1.03	0.66	30.00	745
30 x 16	1.03	0.70	30.00	770
30 x 18	1.03	0.75	30.00	810
30 x 20	1.03	0.80	30.00	870
30 x 24	1.03	0.89	30.00	970
36 x 16	1.15	0.70	36.00	1105
36 x 20	1.15	0.80	36.00	1230
36 x 24	1.15	0.89	36.00	1345
36 x 30	1.15	1.03	36.00	1555
42 x 20	1.28	0.80	42.00	1712
42 x 24	1.28	0.89	42.00	1820
42 x 30	1.28	1.03	42.00	2060
42 x 36	1.28	1.15	42.00	2550
48 x 30	1.42	1.03	48.00	2625
48 x 36	1.42	1.15	48.00	2950
48 x 42	1.42	1.28	48.00	3320
54 x 30	0.90	0.60	32.00	1625
54 x 36	0.90	0.66	28.00	1680
54 x 42	0.90	0.75	35.00	1800
54 x 48	0.90	0.80	18.00	1695
60 x 54	0.94	0.90	15.00	2055



### BLIND FLANGES

NOM. SIZE	O	Q	V	I	WT (LBS.)
3	7.50	0.75	0.69	3.00	9
4	9.00	0.94	0.88	4.00	16
6	11.00	1.00	0.94	6.00	25
8	13.50	1.12	1.06	8.00	42
10	16.00	1.19	1.12	10.00	63
12	19.00	1.25	0.81	12.00	85
14	21.00	1.38	0.88	14.00	120
16	23.50	1.44	1.00	16.00	145
18	25.00	1.56	1.06	18.00	195
20	27.50	1.69	1.12	20.00	245
24	32.00	1.88	1.25	24.00	370
30	38.75	2.12	1.44	30.00	500
36	46.00	2.38	1.62	36.00	960
42	53.00	2.62	1.81	42.00	1300
48	59.50	2.75	2.00	48.00	1740
54	66.25	3.00	2.50	54.00	2600

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\*Not Included In AWWA C110

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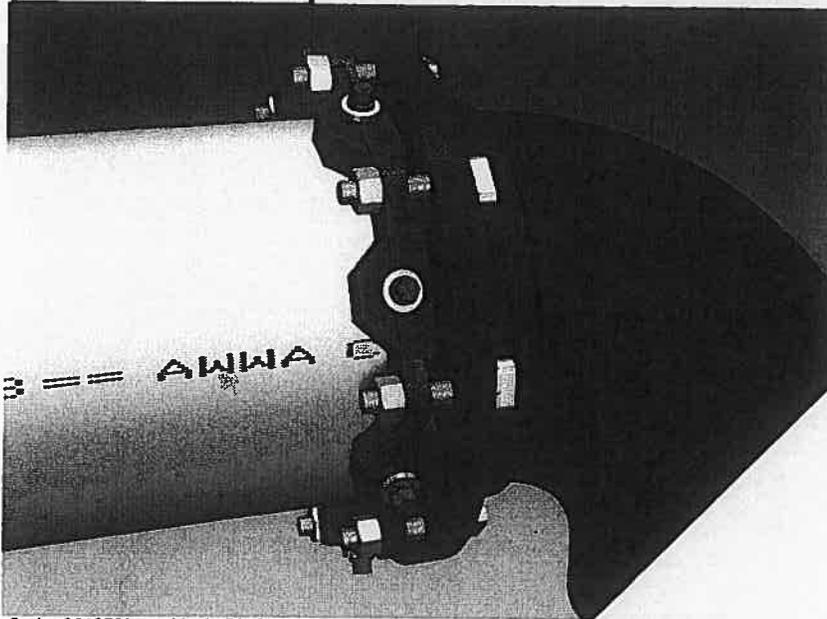
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# Series 2000PV

Mechanical Joint Restraint for PVC Pipe

Bid Items P, R, V



Series 2012PV on 12inch C900 PVC pipe at a ductile iron fitting.

## Features and Applications:

- For restraining plain end PVC pipe at mechanical joint fittings and appurtenances
- Sizes 3 inch through 36 inch  
Sizes 42 inch through 48 inch accommodated by Series 2200
- MEGA-BOND® Restraint Coating System  
For more information on MEGA-BOND, refer to [www.ebaa.com](http://www.ebaa.com)
- Constructed of ASTM A536 Ductile Iron
- The mechanical joint follower gland is incorporated into the restraint
- Accommodates full deflection of the mechanical joint on which it is used
- Heavy duty thick wall design
- Support Products Available:
  - Split mechanical Joint style available for 3 inch through 12 inch  
EBAA Series 2000SV
  - Solid restraint ring harness available for C905 PVC pipe bells  
EBAA Series 2800
  - Split restraint ring harness available for C900 and C905 PVC pipe bells and PVC fittings  
EBAA Series 1500, 1600 and 2500
- All 2000PV and related restraint products can be furnished as packaged accessories complete with appropriate restraint, gasket, lubrication and bolting hardware

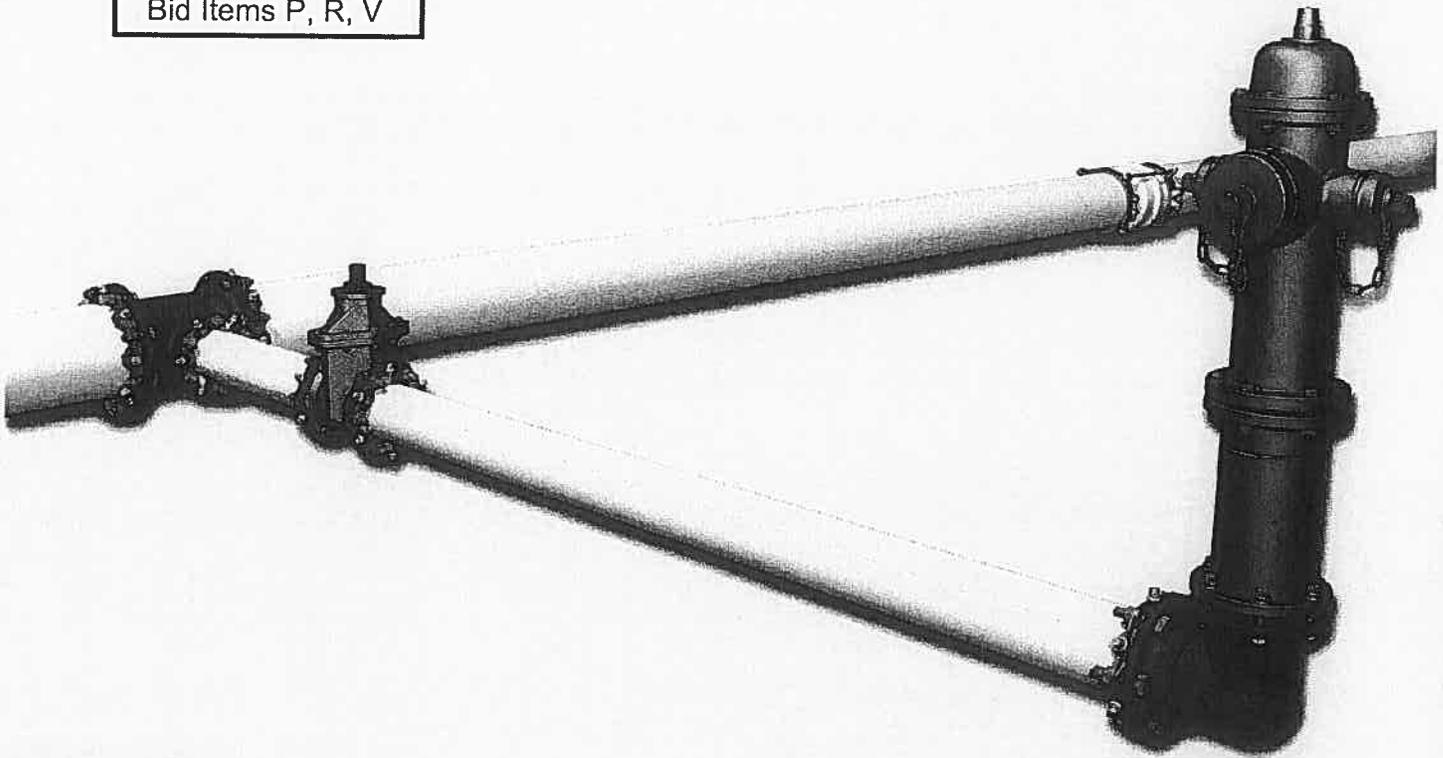
Nominal Pipe Size	Series Number	Shipping Weight
3	2003PV	7.0
4	2004PV	8.8
→ 6	2006PV	12.1
→ 8	2008PV	16.3
→ 10	2010PV	26.0
→ 12	2012PV	31.4
14	2014PV	47.6
16	2016PV	52.8
18	2018PV	61.8
20	2020PV	70.9
24	2024PV	92.9
30	2030PV	128.5
36	2036PV	161.3
42	2242*	652.0
48	2248*	711.1

\* Restraint for pipe size 42 inch and greater, please refer to Series 2200 Brochure found at [www.ebaa.com](http://www.ebaa.com).

U.S. Patent No.  
4627775 4896903 5071175

For use on water or wastewater pipelines subject to hydrostatic pressure and tested in accordance with either AWWA C600 or ASTM D2774.

Bid Items P, R, V



### Series 2000PV:

#### **Mechanical Joint Restraint Gland for use With AWWA C900 or IPS Outside Diameter PVC Pipe**

The 2000PV MEGALUG Mechanical Joint Restraint is the fastest and most economical method of restraining PVC pipe to mechanical joints. Now the need for costly concrete thrust blocks and corrodible steel tie rods is eliminated. It can be used in straight alignment or at the preset deflection recommended for mechanical joints.

The 2000PV was the first PVC joint restraint to be tested to UNI-B-13, Underwriters Laboratories, and Factory Mutual.

Tested to and meets the requirements of ASTM F 1674-96 'Standard' Test Method for joint restraint products use with PVC pipe through 24 inch size.

UL Listed in the four through twelve inch sizes for joining UL Listed ductile iron fittings to UL Listed, Class 150 PVC pressure pipe. The maximum allowable joint deflection is five degrees.

Factory Mutual approved for use on DR18 PVC pipe in four through twelve inch sizes.



ASTM  
F1674



#### **The 2000PV MEGALUG Concept**

EBA Iron started manufacturing joint restraint products for PVC pipe in the early 1980s. The testing of early prototypes of various configurations of restraints on large diameter PVC pipe indicated that a restraint device must be capable of consistently and reliably gripping the pipe. If not, the restraint can slip under pressure, resulting in a sudden impact, and cause the pipe to burst. Armed with this background knowledge and an appreciation for the capabilities of PVC pipe, EBA purposefully deviated from what many in the industry once considered to be the 'only' way to grip PVC pipe. This led to development of the Series

2000PV MEGALUG Mechanical Joint Restraint for PVC pipe.

The design of the 2000PV incorporates the gripping mechanism into the design of the mechanical joint gland and utilizes a simple two part assembly process. The first step involves assembling the joint the same as any standard mechanical joint. The assembly procedure we recommend is that established in AWWA C600. The second is the actuation of the restraint.

### Three Testing Methods

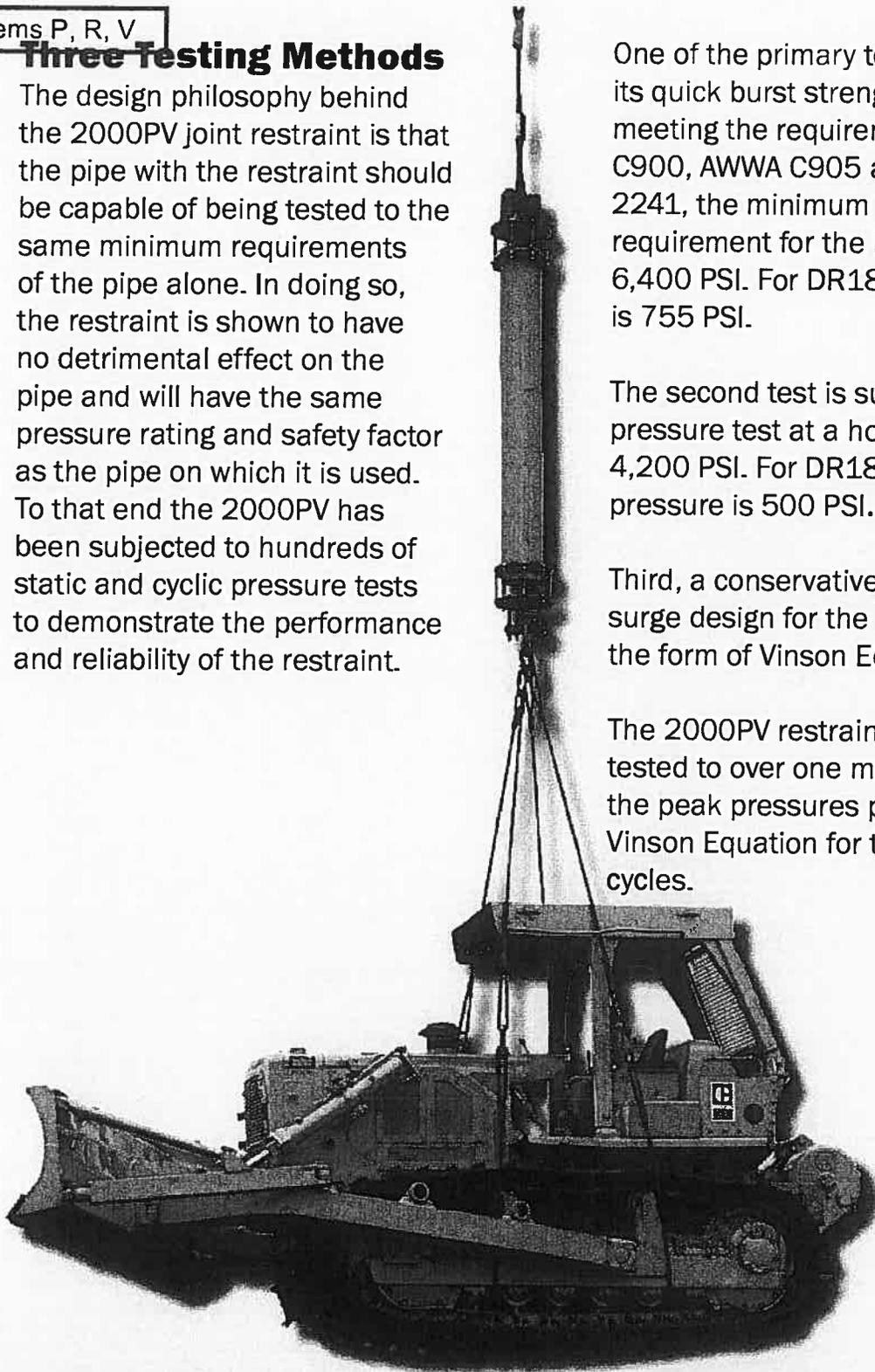
The design philosophy behind the 2000PV joint restraint is that the pipe with the restraint should be capable of being tested to the same minimum requirements of the pipe alone. In doing so, the restraint is shown to have no detrimental effect on the pipe and will have the same pressure rating and safety factor as the pipe on which it is used. To that end the 2000PV has been subjected to hundreds of static and cyclic pressure tests to demonstrate the performance and reliability of the restraint.

One of the primary tests of PVC is its quick burst strength. For pipe meeting the requirements of AWWA C900, AWWA C905 and ASTM 2241, the minimum quick burst requirement for the hoop stress is 6,400 PSI. For DR18, pipe pressure is 755 PSI.

The second test is sustained pressure test at a hoop stress of 4,200 PSI. For DR18 pipe, that pressure is 500 PSI.

Third, a conservative cyclic pressure surge design for the pipe exists in the form of Vinson Equation.

The 2000PV restraint has been tested to over one million cycles to the peak pressures predicted by the Vinson Equation for that number of cycles.



### Series 2000PV Takes the Load

On April 11, 1997 EBAA Iron performed a remarkable force demonstration of their Series 2000PV joint restraint. With the use of EBAA's Series 2000PV using standard mechanical joint installation on 12 inch PVC pipe, and a 80 Ton Motor Crane, EBAA Iron lifted a D7 Caterpillar Track Type Tractor weighing in at 50,350 lbs. Along with this, the Series 2000PV has been tested to over 700 PSI. Concluding that EBAA's Series 2000PV MEGALUG can take the load.

# Mechanical Joint Restraint for AWWA PVC Pipe Sample Specification

Bid Items P, R, V of the specification below can be downloaded as a Microsoft® Word Doc from our website [www.ebaa.com](http://www.ebaa.com)

Restraint devices for mechanical joint fittings and appurtenances conforming to either ANSI/AWWA C111/A21.11 or ANSI/AWWA C153/A2153, shall conform to the follow:

## Design

Restraint devices for nominal pipe sizes 3 inch through 36 inch shall consist of multiple gripping wedges incorporated into a follower gland meeting the applicable requirements of ANSI/AWWA C110/A21.10.

The devices shall have a working pressure rating equal to that found in the most current product brochure. Ratings are for water pressure and must include a minimum safety factor of 2:1 in all sizes.

## Material

Gland body, wedges and wedge actuating components shall be cast from grade 65-45-12 ductile iron material in accordance with ASTM A536.

Three (3) test bars shall be incrementally poured per production shift as per Underwriter's Laboratory (U.L.) Specifications and ASTM A536. Testing for tensile, yield and elongation shall be done in accordance with ASTM E8. Chemical and nodularity tests shall be performed as recommended by the Ductile Iron Society, on a per ladle basis.

## Traceability

An identification number consisting of year, day, plant and shift (YYDDD) (plant designation) (Shift number), shall be cast into each gland body. All physical and chemical test results shall be recorded such that they can be accessed via the identification number on the casting. These Material

Traceability Records (MTR's) are to be made available, in hard copy, to the purchaser that requests such documentation and submits his gland body identification number.

Production pieces that are too small to accommodate individual numbering, such as fasteners and wedges, shall be controlled in segregate inventory until such time as all quality control tests are passed. These component parts may then be released to a general inventory for final assembly and packaging. All components shall be manufactured and assembled in the United States. The purchaser shall, with reasonable notice, have the right to plant visitation at his/her expense.

## Installation

Mechanical joint restraint shall require conventional tools and installation procedures per AWWA C600, while retaining full mechanical joint deflection during assembly.

Proper actuation of the gripping wedges shall be ensured with torque limiting twist off nuts.

## Approvals

Mechanical Joint Restraints shall be Listed by Underwriters Laboratories in the 4 inch through 12 inch sizes.

Mechanical Joint Restraints shall be Factory Mutual Approved in the 4 inch through 12 inch sizes.

Mechanical Joint Restraints, 4 inch through 24 inch, shall meet or exceed the requirements of ASTM F1674 of the

latest revision.

Mechanical joint restraint shall be Series 2000PV produced by EBAA Iron Inc. or approved equal.

## MEGA-BOND® Restraint Coating System

All wedge assemblies and related parts shall be processed through a phosphate wash, rinse and drying operation prior to coating application. The coating shall consist of a minimum of two coats of liquid thermoset epoxy coating with heat cure to follow each coat.

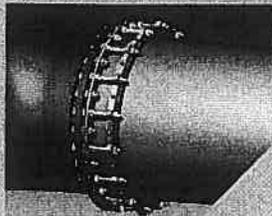
All casting bodies shall be surface pretreated with a phosphate wash, rinse and sealer before drying. The coating shall be electrostatically applied and heat cured. The coating shall be a polyester based powder to provide corrosion, impact and UV resistance.

The coating system shall be MEGA-BOND by EBAA Iron, Inc. or approved equal. Requests for approved equal must submit coating material and process details for review prior to bid.

For more information regarding MEGA-BOND, refer to the MEGA-BOND brochure or visit [www.ebaa.com](http://www.ebaa.com).

## Support Products

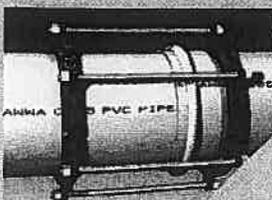
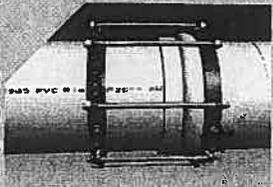
for more information concerning these products, please consult the catalog or [www.ebaa.com](http://www.ebaa.com)



### Series 2200

MEGALUG® Restraint for C905 PVC Pipe at Mechanical Joint Fittings  
Sizes 42 and 48 inch

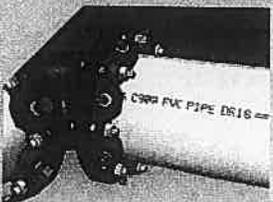
**Series 2500**  
MEGALUG® Restraint for C900 and C905 PVC Pipe at PVC Fittings  
Sizes 4 inch through 48



### Series 2800

MEGALUG® Restraint Harness for C905 PVC Pipe  
Sizes 14 inch through 48  
Sizes 4 through 12 accommodated by either Series 1500 or 1600

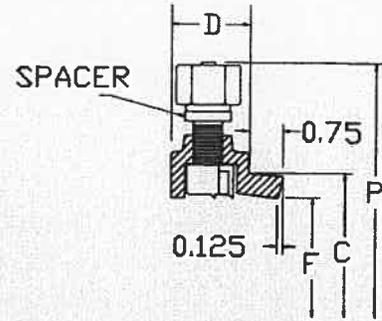
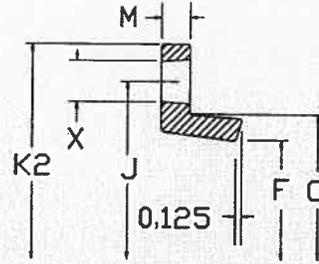
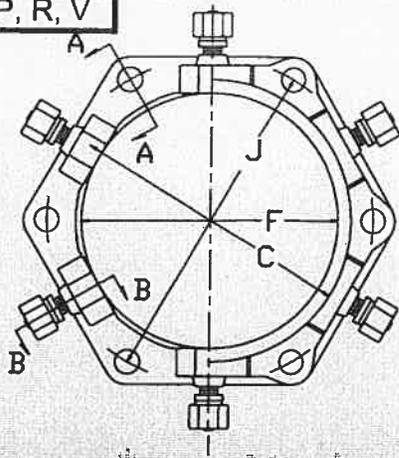
**Series 2000SV**  
Split MEGALUG® Restraint for existing C900 PVC Pipe at Ductile Iron Fittings  
Sizes 4 inch through 12



# Series 2000PV Submittal Reference Drawing

Bid Items P, R, V

EBAA IRON



MADE IN USA

SECTION A-A

SECTION B-B

## Submittal Reference Drawing Dimensions (in.)

Nominal Pipe Size	Series Number	C	D	F	M	P	P'	X	J	K2	Wedge Qty	Bolt Qty	Weight (lbs.)
3	2003PV	4.84	1.55	3.60	0.50	9.8	8.6	3/8	6.19	7.69	4	4	7.0
4	2004PV	5.92	1.68	4.90	0.50	10.5	9.5	3/8	7.50	9.13	4	4	8.8
6	2006PV	8.02	1.68	7.00	0.50	13.0	12.1	3/8	9.50	11.13	6	6	12.1
8	2008PV	10.17	1.68	9.15	0.62	14.5	13.6	3/8	11.75	13.38	6	6	16.3
10	2010PV	12.22	2.10	11.20	0.62	17.0	16.0	3/8	14.00	15.63	8	8	26.0
12	2012PV	14.32	2.10	13.30	0.75	19.0	18.1	3/8	16.25	17.88	8	8	31.4
14	2014PV	16.40	2.25	15.49	0.88	21.7	20.9	3/8	18.75	20.38	10	10	47.6
16	2016PV	18.50	2.25	17.58	0.88	23.8	23.0	3/8	21.00	22.63	12	12	52.8
18	2018PV	20.60	2.25	19.68	1.13	25.9	25.1	3/8	23.25	24.88	12	12	61.8
20	2020PV	22.70	2.25	21.79	1.25	28.0	27.2	3/8	25.50	27.13	14	14	70.9
24	2024PV	26.90	2.75	25.99	1.42	32.3	31.5	3/8	30.00	31.63	16	16	92.9
30	2030PV	33.29	2.70	32.22	1.50	38.5	37.7	1 1/8	36.88	39.12	20	20	128.5
36	2036PV	39.59	2.70	38.52	1.50	44.8	44.0	1 1/8	43.75	46.00	24	24	161.3
42	2242	Submittal information for pipe sizes 42 inch and greater can be found in the Series 2200 Brochure.											
48	2248	Submittal information for pipe sizes 42 inch and greater can be found in the Series 2200 Brochure.											

NOTE: Dimensions are in inches (+/-1%) and are subject to change without notice.

P': Outside Diameter with "Twist-Off" nuts twisted off.

## Pressure Ratings (PSI)

Nominal Pipe Size	Series Number	Ratings for Ordinary Water Works w/ transient surges only								Ratings for Peak Pressures used in Sewage Force Mains and other installations designed for Cyclic Surges of 1-5 Mill. Cycles							
		DR14	DR18	DR21	DR25	DR32.5	DR41	DR51	SDR17	SDR21	SDR26	DR14	DR18	DR25	SDR17	SDR21	SDR26
3	2003PV	305	235	-	165	-	-	-	250	200	160	244	188	132	200	160	120
4	2004PV	305	235	-	165	-	-	-	250	200	160	244	188	132	200	160	120
6	2006PV	305	235	-	165	-	-	-	250	200	160	244	188	132	200	160	120
8	2008PV	305	235	-	165	-	-	-	250	200	160	244	188	132	200	160	120
10	2010PV	305	235	-	165	-	-	-	250	200	160	244	188	132	200	160	120
12	2012PV	305	235	-	165	-	-	-	250	200	160	244	188	132	200	160	120
14	2014PV	305	235	-	165	125	100	-	-	-	-	-	-	-	-	-	-
16	2016PV	200	235	-	165	125	100	-	-	-	-	-	-	-	-	-	-
18	2018PV	-	200	165	165	125	100	-	-	-	-	-	-	-	-	-	-
20	2020PV	-	200	-	165	125	100	-	-	-	-	-	-	-	-	-	-
24	2024PV	-	235	-	165	125	100	-	-	-	-	-	-	-	-	-	-
30	2030PV	-	-	165	165	125	*	*	-	-	-	-	-	-	-	-	-
36	2036PV	-	-	125	125	125	*	*	-	-	-	-	-	-	-	-	-

\* Refer to Series 2200 Product Brochure found either in our Catalog or on EBAA's web site.

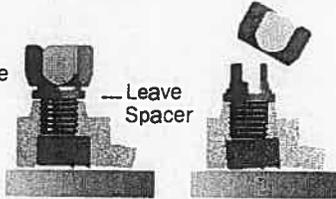
For applications or pressures other than those shown, please contact EBAA for assistance.

# Spacer Instructions

Bid Items P, R, V

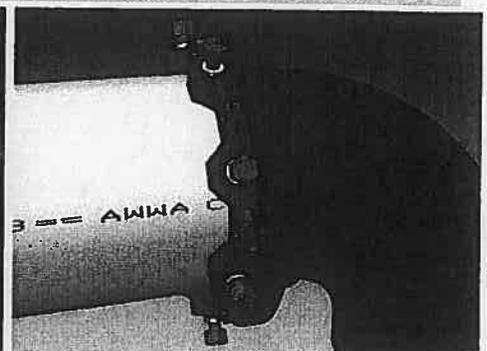
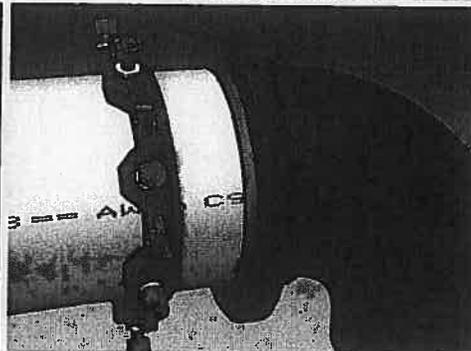
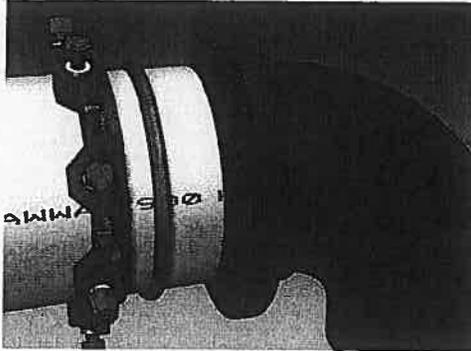
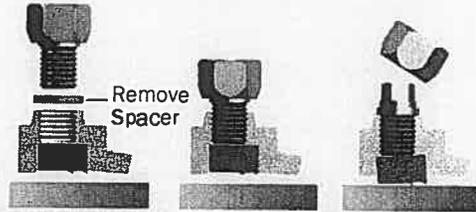
## Ductile Iron or C900 PVC Pipe Sizes

For installation on C900 PVC pipe, use as received and install per instructions.



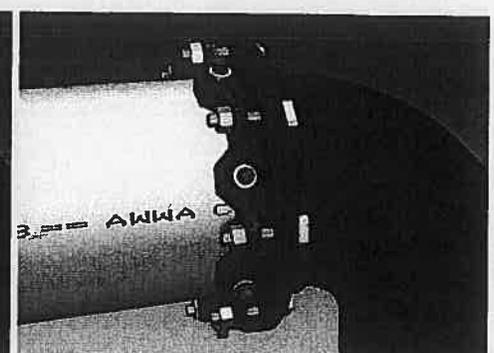
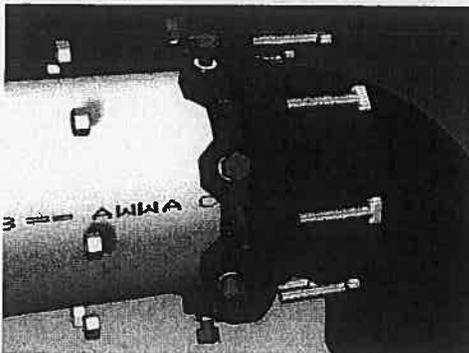
## ASTM 2241 PVC Pipe Sizes (IPS O.D.)

For installation on ASTM 2241 sized pipe, remove spacers and replace screws. Install per instructions.



1. Identify the pipe. The 2000PV is for use with PVC and HDPE pipe. The 4 inch through 12 inch size may be used on C900, and IPS PVC pipe as well as C906 HDPE pipe. Check to see if the spacers under the screws are in place. If the pipe is C900 or is ductile iron O.D., proceed with spacers in place. If the pipe is IPS O.D., remove the spacers. Since 3 inch and 14 inch through 24 inch restraints are only used with one pipe diameter, no spacers are used.
2. Clean the socket and the plain end. Lubrication and additional cleaning should be provided by brushing both the gasket and plain end with soapy water or an approved pipe lubricate meeting the requirements of ANSI/AWWA C111/A21.11 just prior to slipping the gasket onto the plain end for joint assembly. Place the gland on the plain end with the lip extension toward the plain end; follow by the gasket with the narrow edge of the gasket toward the plain end [The gasket provided may be the EBAA-Seal™ Improved Mechanical Joint Gasket for C900 PVC Pipe. This gasket is bi-directional having no front or back. For ASTM 2241 PVC Pipe Sizes (IPS O.D.) a Transition Gasket must be used. The use of a pipe wall stiffening Insert is required on High Density Polyethylene pipe.]
3. Insert the pipe into the socket and press the gasket firmly and evenly into the gasket recess. Keep the joint straight during assembly.
4. Push the gland toward the socket and center it around the pipe with the gland lip against the gasket. Insert bolts and hand-tighten nuts. Make deflection after joint assembly but before tightening bolts.

NOTE: In cold weather it is preferable to warm the gasket to facilitate assembly of the joint.



5. Tighten the bolts to the normal range of bolt torque [45-60 ft-lbs for 3 inch, 75-90 ft-lbs for 4 inch through 24 inch, 100-120 ft-lbs for 30 inch and 36 inch, and 120-150 ft-lbs for 42 inch and 48 inch.] while at all times maintaining approximately the same distance between the gland and the face of the flange at all points around the socket. This can be accomplished by partially tightening the bottom bolt first, then the top bolt, next the bolts at either side, finally the remaining bolts. Repeat the process until all bolts are within the appropriate range of torque. In large sizes (30-48 inch), five or more repetitions may be required. The use of a torque-indicating wrench will facilitate the procedure.
6. Tighten the torque limiting twist-off nuts in a clockwise direction (direction indicated by arrow on top of nut) until all wedges are in firm contact with the pipe surface. Continue tightening in an alternating manner until all of the nuts have been twisted off.
7. If removal is necessary, utilize the 5/8 inch hex heads provided. If reassembly is required, assemble the joint in the same manner as above; tighten the screws to 60 to 80 ft-lbs. If the Series 2000PV restraint is removed from the pipe, be sure that all of the screws, spacers (if required), and wedges are in place before the restraint is reassembled.

\*These steps are requirements of AWWA C600.



**EBAA IRON Sales, Inc.**  
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 Fax: (254) 629-8931  
 (800) 433-1716 within US and Canada  
 contact@ebaa.com  
 www.ebaa.com





Items P, R, V, AA

Standard Mechanical Joint Gaskets (SBR, NBR, EPDM, Neoprene, FKM) ANSI/AWWA C111/A21.11

GASKET GENERAL SPECIFICATIONS

Star Pipe Products Mechanical Joint (MJ) Gasket dimensions conform to the drawings set forth in ANSI/AWWA C111/A21.11. Gasket markings include size, Manufacturer's mark, Country of origin and product identification. No markings are positioned on sealing surfaces per the ANSI/AWWA C111/A21.11 standard. MJ transition gaskets follow the requirements of ANSI/AWWA C111/A21.11 where applicable.

Standard gasket material is vulcanized styrene butadiene rubber (SBR). Special application elastomers (EPDM, Nitrile, Neoprene & FKM) are available and shall be identified on all documentation and corresponding gaskets.

Star Pipe gaskets are manufactured under quality control standards and procedures that are maintained by the gasket supplier. Appropriate documentation is maintained by the manufacturer and available for review upon request.

Star Pipe gasket suppliers maintain a quality assurance program and manual that is reviewed and updated on an ongoing basis to ensure product quality. Star Pipe gasket suppliers perform in house testing and submit to random testing by Underwriters Laboratories, Inc. Star Pipe gasket providers are recognized under the component program (UL 194/ UL 157) of Underwriters Laboratories, Inc.

Star Pipe provides that our Mechanical Joint gaskets for potable or wastewater projects will perform as designed, based on the published chemical and environmental resistance data for "generic" rubber compounds. Star Pipe should be consulted for specific recommendations or for unusual applications.

Table with 3 columns: PROPERTY, ASTM TEST METHOD, PO REQUIREMENT. Rows include Hardness, Shore 'A', Minimum Tensile, Minimum Elongation, Minimum Aging, Maximum Compression Set, and Resistance to Surface Ozone Cracking.

Table with 4 columns: GASKET TYPE, MAXIMUM CONTINUOUS TEMP, MAXIMUM EXPOSURE TEMP, STANDARD USAGE. Rows include SBR, EPDM, Neoprene, Nitrile, and FKM with their respective temperature limits and application guidelines.

UCAT 11.01 REGISTERED TRADEMARK OF STAR PIPE PRODUCTS



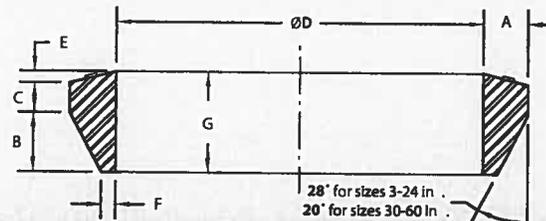
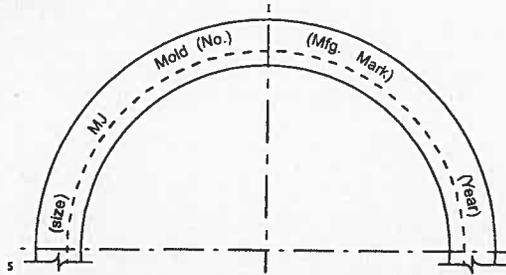
STAR PIPE PRODUCTS



Items P, R, V, AA

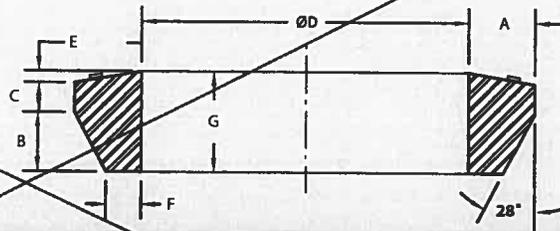
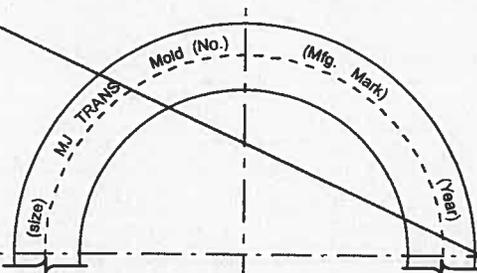
MJ Accessories

ANSI/AWWA C111/A21.11



MECHANICAL-JOINT GASKET

NOM. SIZE	PIPE O.D.	A	B	C	ØD ±1%	E	F	G
2	2.50	0.48	0.62	0.31	2.48	0.12	0.15	1.05
3	3.96	0.48	0.62	0.31	3.86	0.12	0.15	1.05
4	4.80	0.62	0.75	0.31	4.68	0.16	0.22	1.22
6	6.90	0.62	0.75	0.31	6.73	0.16	0.22	1.22
8	9.05	0.62	0.75	0.31	8.85	0.16	0.22	1.22
10	11.10	0.62	0.75	0.31	10.87	0.16	0.22	1.22
12	13.20	0.62	0.75	0.31	12.95	0.16	0.22	1.22
14	15.30	0.62	0.75	0.31	14.99	0.16	0.22	1.22
16	17.40	0.62	0.75	0.31	17.07	0.16	0.22	1.22
18	19.50	0.62	0.75	0.31	19.13	0.16	0.22	1.22
20	21.60	0.62	0.75	0.31	21.20	0.16	0.22	1.22
24	25.80	0.62	0.75	0.31	25.34	0.16	0.22	1.22
30	32.00	0.73	1.00	0.38	31.47	0.16	0.37	1.54
36	38.30	0.73	1.00	0.38	37.67	0.16	0.37	1.54
42	44.50	0.73	1.00	0.38	43.78	0.16	0.37	1.54
48	50.80	0.73	1.00	0.38	49.98	0.16	0.37	1.54



TRANSITION MECHANICAL-JOINT GASKET

NOM. SIZE	PIPE O.D.	A	B	C (REF)	ØD ±1%	E	F	G
2	2.375	0.56	0.66	0.31	2.32	0.12	0.21	1.10
3	3.500	0.72	0.64	0.34	3.43	0.12	0.38	1.10
4	4.500	0.76	0.73	0.33	4.43	0.20	0.37	1.26
6	6.625	0.75	0.73	0.32	6.53	0.20	0.36	1.26
8	8.625	0.82	0.73	0.34	8.50	0.20	0.43	1.27
10	10.750	0.79	0.75	0.31	10.59	0.20	0.39	1.26
12	12.750	0.84	0.75	0.33	12.56	0.20	0.44	1.28

STAR PIPE PRODUCTS



UCAT.12.01  
\* REGISTERED TRADEMARK OF STAR PIPE PRODUCTS

STAR PIPE PRODUCTS  
HOUSTON CORPORATE TOLL FREE 1-800-999-3009 FAX 281-558-9000  
www.starpipeproducts.com



Items P, R, V, AA

# MJ Accessories

ANSI/AWWA C111/A21.11

## T-Bolts, Double Ended Rods & Nuts

### HSLA STEEL

#### SPECIFICATIONS:

- Bolts & Nuts are manufactured in accordance with ANSI / AWWA C111 / A21.11.
- Material is High Strength Low Alloy Steel per ANSI/AWWA C111/A21.11.
- Threads per ASME B1.1 unified standard coarse (Class 2A & 2B)

#### MECHANICAL PROPERTIES

- Yield Strength 45000 PSI (min)
- Elongation in 2in. 20% (min)

#### CHEMICAL PROPERTIES

Carbon	0.20% Max
Manganese	1.25% Max
Sulfur	0.05% Max
Nickel	0.25% Min
Copper	0.20% Min
Combined	1.25% Min (Ni, Cu, Cr)

#### BLUE BOLT/NUT

T-Bolts & Nuts have fluropolymer coating material which is VOC-compliant, resin-bonded, thermally cured and dry lubricant.

#### COATING PHYSICAL PROPERTIES

Film Thickness:	0.3 to 0.4 mil per coat
Number of Coats:	3 to 4 coats
Adhesion:	1 mm cross hatch test + 5 Pulls. Good knife resistance
Cure Test:	50+Rubs with MEK. No substrate exposure
Pencil Hardness:	Pencil Hardness: 4-6H
Volatile Organic Compounds	2.74lbs/gal

## Stainless Steel T-Bolts & Nuts

### ALLOYS SS 304 & SS 316 PER ASTM F593

#### SPECIFICATIONS:

- T-bolt dimensions are manufactured in accordance with ANSI / AWWA C111 / A21.11.
- T-bolt alloys SS 304 and SS 316 per ASTM F593
- Heavy Hex Nut Alloys SS 304 & SS 316 per ASTM F594.

#### MECHANICAL PROPERTIES

- Tensile Strength: 85,000 PSI to 140,000 PSI
- Yield Strength: 45,000 PSI (min)

#### COATING SPECIFICATION

Nuts have fluropolymer coating material which is VOC-Compliant, resin-bonded, thermally cured and dry lubricant.

#### COATING PHYSICAL PROPERTIES

- |   |   |
|---|---|
| • Film Thickness: 0.3 to 0.4 mil per coat             | • Pencil Hardness: 4-6H                   |
| • Number of Coats: 3 to 4 coats                       | • Volatile Organic Compounds 2.74 lbs/gal |
| • Adhesion: 1mm cross hatch test + 5 Tape Pulls.      | • Continuous use temperature - 356°F      |
| • Cure Test: 50+ Rubs with MEK, no substrate exposure | • Color: SS 304 is green. SS 316 is red   |

STAR PIPE PRODUCTS

UCXT.12.01  
\* REGISTERED TRADEMARK OF STAR PIPE PRODUCTS

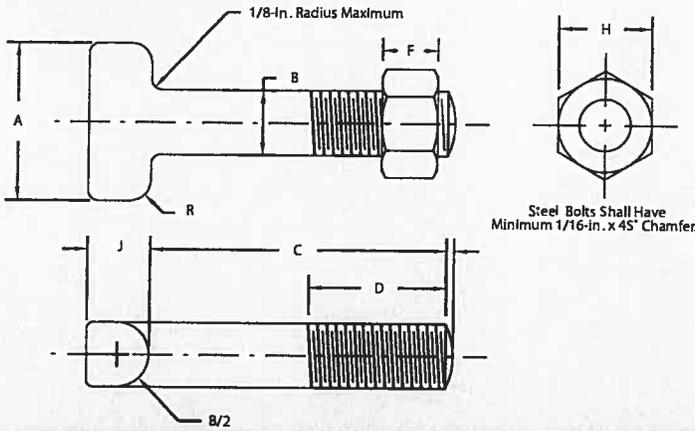




Items P, R, V, AA

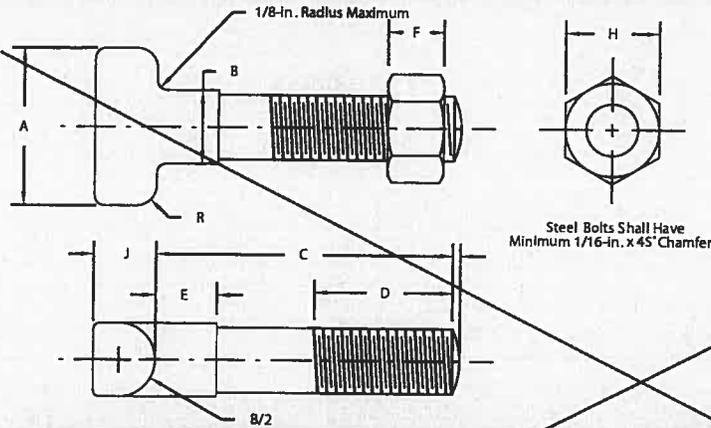
**Accessories**

ANSI/AWWA C111/A21.11



**T-HEAD (LOW ALLOY STEEL) BOLT & NUT**

NOM. SIZE	A	B	C	D	THREADS PER IN.	F	H	J	R
5/8 x 3	1.50	0.625	3.00	2.00	11	0.625	1.062	0.625	0.312
5/8 x 3 1/2	1.50	0.625	3.50	2.70	11	0.625	1.062	0.625	0.312
3/4 x 3 1/2	1.75	0.750	3.50	2.50	10	0.750	1.250	0.750	0.375
3/4 x 4	1.75	0.750	4.00	3.00	10	0.750	1.250	0.750	0.375
3/4 x 4 1/2	1.75	0.750	4.50	3.00	10	0.750	1.250	0.750	0.375
3/4 x 5	1.75	0.750	5.00	3.00	10	0.750	1.250	0.750	0.375
3/4 x 5 1/2	1.75	0.750	5.50	3.70	10	0.750	1.250	0.750	0.375
1 x 6	2.25	1.000	6.00	3.00	8	1.000	1.625	1.000	0.500
1 1/4 x 6 1/2	2.50	1.250	6.50	3.50	7	1.250	2.000	1.250	0.625
1 1/4 x 8 1/2	2.50	1.250	8.50	3.50	7	1.250	2.000	1.250	0.625



**\* ANTI-ROTATION T-HEAD (LOW ALLOY STEEL) BOLT & NUT**

NOM. SIZE	A	B	C	D	E	THREADS PER IN.	F	H	J	R
5/8 x 3	1.50	0.625	3.00	2.00	0.63	11	0.625	1.062	0.625	0.312
5/8 x 3 1/2	1.50	0.625	3.50	2.50	0.63	11	0.625	1.062	0.625	0.312
3/4 x 3 1/2	1.75	0.750	3.50	2.50	0.63	10	0.750	1.250	0.750	0.375
3/4 x 4	1.75	0.750	4.00	3.00	0.63	10	0.750	1.250	0.750	0.375
3/4 x 4 1/2	1.75	0.750	4.50	3.00	0.63	10	0.750	1.250	0.750	0.375
3/4 x 5	1.75	0.750	5.00	3.00	0.63	10	0.750	1.250	0.750	0.375

STAR PIPE PRODUCTS



UCAT.12.01  
\*REGISTERED TRADEMARK OF STAR PIPE PRODUCTS

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HOUSTON CORPORATE TOLL FREE 1-800-999-3009 FAX 281-558-9000  
www.starpipeproducts.com

Bid Items T, U, W, AA

**M & M BOLT & SCREW, INC.**  
**110 SENTRY DRIVE**  
**MANSFIELD, TEXAS 76063**  
**PHONE (817) 453-0001**  
**FAX (817) 453-0038**

### **GENERAL LETTER OF CERTIFICATION**

THIS IS TO CERTIFY MATERIALS CONFORM TO THE FOLLOWING SPECIFICATIONS.

<b>DESCRIPTION</b>	<b>SPECIFICATION</b>
<b><u>THIS APPLIES TO ALL STANDARD BOLT AND NUT SETS, UNLESS SPECIFIED OTHERWISE BY PURCHASER.</u></b>	
ALL HEX BOLTS, LOW CARBON GRADE 2, PLAIN FINISH	<b>ASTM A307 GRADE A</b>
ALL HEX NUTS, LOW CARBON GRADE 2, PLAIN FINISH	<b>ASTM A563 GRADE A</b>
ALL GASKETS 150# 1/8", FULL FACE, RED RUBBER	<b>ANSI/B16.21</b>

SINCERELY  
SCOTTY MURPHY

Bid Items T, U, W, AA

## Red Rubber

Commercial Grade

### General Purpose

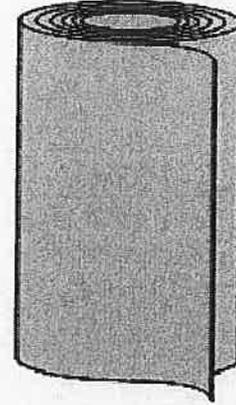
Non-Oil Resistance

### Generally Resistant to

Most moderate chemicals wet or dry organic Acids,  
Alcohols, Ketones, Aldehydes.

### Generally Attacked By

Ozone, Strong Acids, Fats, Oils, Greases and

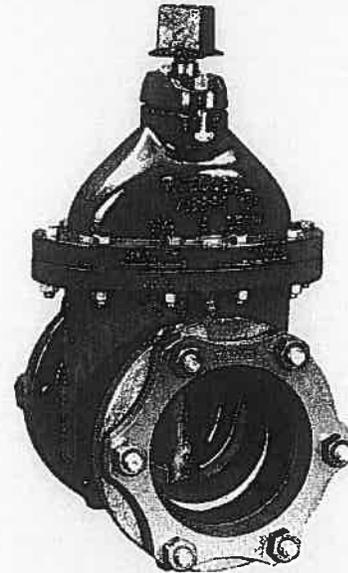


Color	Finish	Duro	Tensile	Elongation	Temperature
Red	Smooth	70	400 PSI	200 %	180 ° F. ( 83 ° C.)

**2"-12" A-2360 RESILIENT WEDGE GATE VALVES - M.J. x M.J.**

Rev. 2-06 Shaded area indicates change.

- Catalog number-
- ~~A-2360-20 Mechanical joint ends (with accessories unassembled)~~
- A-2360-23 Mechanical joint ends (less accessories)
- ~~A-2360-25 Mechanical joint ends (with transition gaskets accessories unassembled)~~
- Sizes - 2", 3", 4", 6", 8", 10", 12"
- Meets or exceeds all applicable requirements of ANSI/AWWA C509 Standard, UL Listed, FM Approved, and certified to ANSI/NSF 61.
- Standard mechanical joint ends comply with ANSI/AWWA C111
- Iron body with nominal 10 mils MUELLER® Pro-Gard™ Fusion Epoxy Coated interior and exterior surfaces
- Epoxy coating meets or exceeds all applicable requirements of ANSI/AWWA C550 Standard and is certified to ANSI/NSF 61
- Iron wedge, symmetrical & fully encapsulated with molded rubber; no exposed iron
- Non-rising stem (NRS)
- Triple O-ring seal stuffing box (2 upper & 1 lower O-rings), with fourth O-ring serving as dirt seal††
- 2" square wrench nut (optional handwheel available) open left or open right
- 250 psig (1723 kPa) maximum working pressure, 500 psig (3447 kPa) static test pressure
- 3"-12" sizes - UL Listed, FM Approved: 200 psig (1379 kPa)



**A-2360-20** M.J. accessories shipped unassembled

††Dirt seal on 4"-12" valves

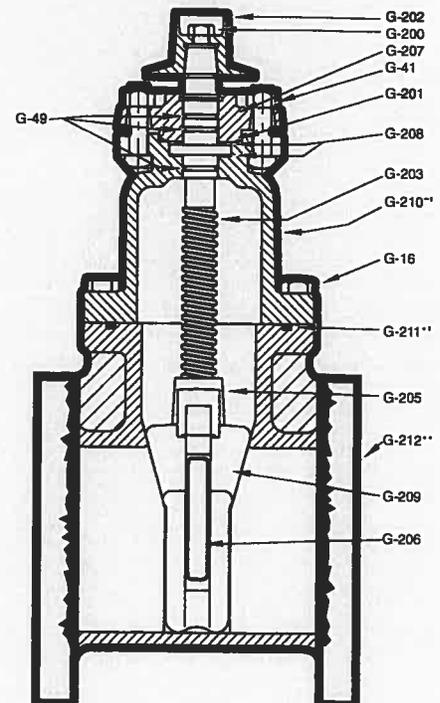
**Options**

See page 10.40 for more information on Resilient Wedge Gate Valve options

- Position indicators
- Stainless steel fasteners: Type 316
- ASTM B98-C66100/H02 stem
- Handwheel

**Resilient wedge gate valve parts**

Catalog Part No.	Description	Material	Material standard
G-16	Bonnet Bolts & Nuts	Stainless Steel	Type 304
G-41	Stuffing Box Bolts & Nuts	Stainless Steel	Type 304
G-49	Stem O-rings (3)	Rubber	
G-200	Wrench Nut Cap Screw	Stainless Steel	Type 304
G-201	Stuffing Box Seal	Rubber	
G-202	Wrench Nut	Cast Iron	ASTM A126 CL.B
G-203	Stem	Bronze	ASTM B138
G-204	Hand Wheel (not shown)	Cast Iron	ASTM A126 CL.B
G-205	Stem Nut	Bronze	ASTM B62
G-206	Guide Cap Bearings	Celcon	
G-207	Stuffing Box with dirt seal††	Cast iron Rubber	ASTM A126 CL.B
G-208	Anti-friction Washers (2)	Celcon	
G-209	Wedge, Rubber Encapsulation	Cast Iron* SBR	ASTM A126 CL.B
G-210**	Bonnet	Cast Iron	ASTM A126 CL.B
G-211**	Bonnet O-ring	Nitrile	
G-212**	Body	Cast Iron	ASTM A126 CL.B



\* Fully encapsulated in molded rubber with no iron exposed  
 \*\* Previous to 1999 these parts on 4"-12" valves were designed with a gasket instead of an O-ring and with additional bolt holes (2"-3" sizes retain neoprene gasket design affecting these parts). Confirm the type of seal when ordering a replacement gasket or O-ring.

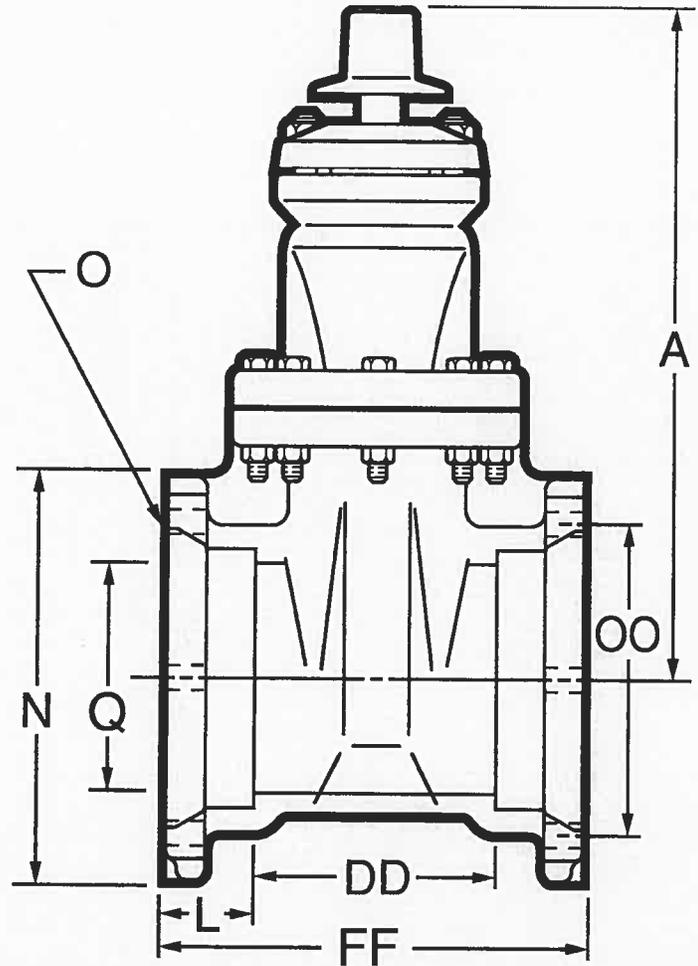
††Dirt seal on 4"-12" valves

Bid Items AB, AC, AE

# 2"-12" A-2360 RESILIENT WEDGE GATE VALVE - M.J. x M.J.

**Mueller Co.** 10.15

Rev. 2-06



### Dimensions

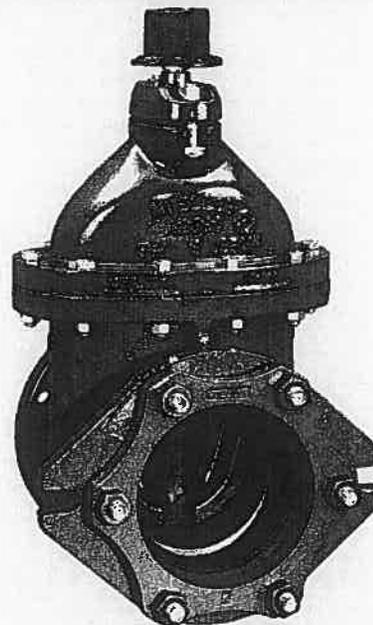
Dimension*	Nominal size						
	2"	3"	4"	6"	8"	10"	12"
A	9.88	12.38	14.19	18.00	21.50	25.50	28.62
FF	8.50	9.00	10.00	11.50	12.50	14.75	14.88
L	2.50	2.50	2.50	2.50	2.50	2.50	2.50
N	4.62	7.50	9.12	11.12	13.37	15.62	17.88
O (number and size of holes)	4--.88	4--.88	4--.88	6--.88	6--.88	8--.88	8--.88
DD	3.50	4.00	5.00	6.50	7.50	9.75	9.88
Q (bore)	2.30	3.30	4.30	6.30	8.30	10.30	12.30
OO (bolt circle diameter)	5.00	6.19	7.50	9.50	11.75	14.00	16.25
Turns to open	8	11	14	20.5	26.5	33	38.5
Weight*	40	83	120	186	280	405	540

\*All dimensions are in inches. All weights include accessories are in pounds and are approximate.

**4"-12" A-2360 RESILIENT WEDGE GATE VALVES - M.J. x FL.**

Rev. 2-06 Shaded area indicates change.

- Catalog number—  
~~A-2360-16~~ mechanical joint x flanged ends (with accessories unassembled)  
**A-2360-19** mechanical joint x flanged ends (less accessories)
- Sizes – 4", 6", 8", 10", 12"
- Meets or exceeds all applicable requirements of ANSI/AWWA C509 Standard, UL Listed, FM Approved, and certified to ANSI/NSF 61.
- Flanged end dimensions and drilling comply with ANSI B16.1, class 125
- Mechanical joint end complies with ANSI/AWWA C111 Standard
- Iron body with nominal 10 mils MUELLER® Pro-Gard™ Fusion Epoxy Coated interior and exterior surfaces
- Epoxy coating meets or exceeds all applicable requirements of ANSI/AWWA C550 Standard and is certified to ANSI/NSF 61
- Iron wedge, symmetrical & fully encapsulated with molded rubber; no exposed iron
- Non-rising stem (NRS)
- Triple O-ring seal stuffing box (2 upper & 1 lower O-rings), with fourth O-ring serving as dirt seal
- 2" square wrench nut (optional handwheel available) open left or open right
- 250 psig (1723 kPa) maximum working pressure, 500 psig (3447 kPa) static test pressure
- UL Listed, FM Approved – 200 psig (1379 kPa)



**A-2360-16**

M.J. accessories shipped unassembled

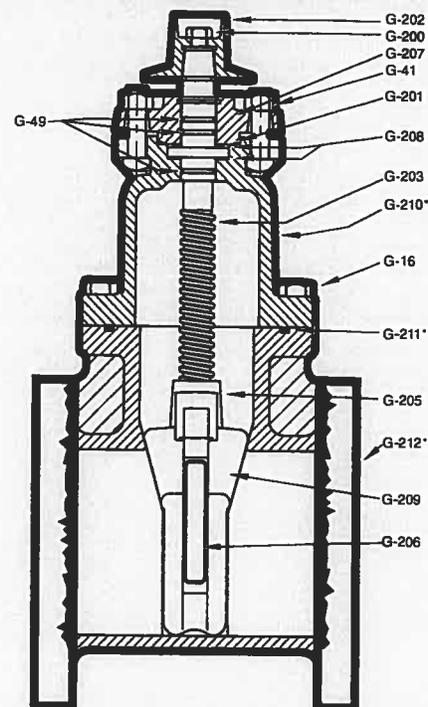
**Options**

See page 10.40 for more information on Resilient Wedge Gate Valve options

- Position indicators  Stainless steel fasteners: Type 316
- ASTM B98-C66100/H02 stem  Handwheel

**Resilient wedge gate valve parts**

Catalog Part No.	Description	Material	Material standard
G-16	Bonnet Bolts & Nuts	Stainless Steel	Type 304
G-41	Stuffing Box Bolts & Nuts	Stainless Steel	Type 304
G-49	Stem O-rings (3)	Rubber	
G-200	Wrench Nut Cap Screw	Stainless Steel	Type 304
G-201	Stuffing Box Seal	Rubber	
G-202	Wrench Nut	Cast Iron	ASTM A126 CL.B
G-203	Stem	Bronze	ASTM B138
G-204	Hand Wheel (not shown)	Cast Iron	ASTM A126 CL.B
G-205	Stem Nut	Bronze	ASTM B62
G-206	Guide Cap Bearings	Celcon	
G-207	Stuffing Box with dirt seal	Cast iron Rubber	ASTM A126 CL.B
G-208	Anti-friction Washers (2)	Celcon	
G-209	Wedge, Rubber Encapsulation	Cast Iron* SBR	ASTM A126 CL.B
G-210**	Bonnet	Cast Iron	ASTM A126 CL.B
G-211**	Bonnet O-ring	Nitrite	
G-212**	Body	Cast Iron	ASTM A126 CL.B

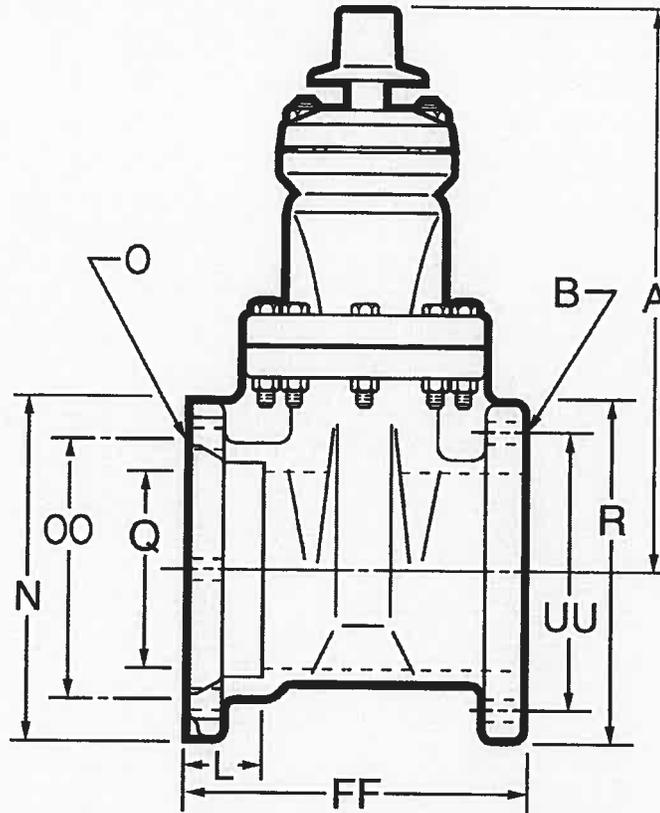


\* Fully encapsulated in molded rubber with no iron exposed

\*\* Previous to 1999 these parts on 4"-12" valves were designed with a gasket instead of an O-ring and with additional bolts. Confirm the type of seal when ordering a replacement gasket or O-ring.

**SEE PAGE 10.43 FOR ORDERING INSTRUCTIONS**

# 4"-12" A-2360 RESILIENT WEDGE GATE VALVE - M.J. x FL.



## Dimensions

Dimension*	Nominal size				
	4"	6"	8"	10"	12"
A	14.19	18.00	21.50	25.50	28.62
L	2.50	2.50	2.50	2.50	2.50
N	9.12	11.12	13.37	15.62	17.88
O (number and size of holes for MJ)	4--.88	6--.88	6--.88	8--.88	8--.88
Q (bore)	4.30	6.30	8.30	10.30	12.30
OO (bolt circle diameter for MJ)	7.50	9.50	11.75	14.00	16.25
R	9.00	11.00	13.50	16.00	19.00
UU (bolt circle diameter for FL)	7.50	9.50	11.75	14.25	17.00
FF	9.50	11.00	12.00	13.88	14.44
B (number and size of holes for FL)	8--.75	8--.88	8--.88	12--1.00	12--1.00
Turns to open	14	20.5	26.5	33	38.5
Weight*	115	168	275	400	570

\* All dimensions are in inches. All weights include accessories are in pounds and are approximate.

**2 PIECE HEAVY DUTY SCREW TYPE VALVE BOX (OPTIONAL CLASS 35B)**

**VB-0002**

ITEM CODE CL 30B	ITEM CODE CL 35B	HEIGHT	APPROX. WT. (LBS)	LENGTH	
				TOP	BOT.
VB461SHD	VB461SHD35	19-21	55	10	15
VB462SHD	VB462SHD35	27-32	72	10	24
VB562SHD	VB562SHD35	27-37	82	16	24
VB564SHD	VB564SHD35	39-50	93	16	36
VB664SHD	VB664SHD35	39-60	111	26	36
◆VB666SHD	VB666SHD35	51-71	136	26	48
★VB668SHD	VB668SHD35	62-82	143	26	60

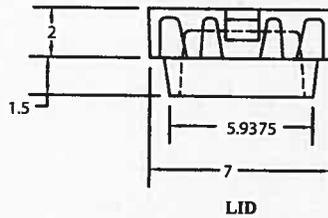
- ◆ - Optional bottom (48" one piece or 24" bottom w/ 24" extension) - Please indicate your preference
- ★ - Bottom is in two pieces (36" bottom and 24" extension)



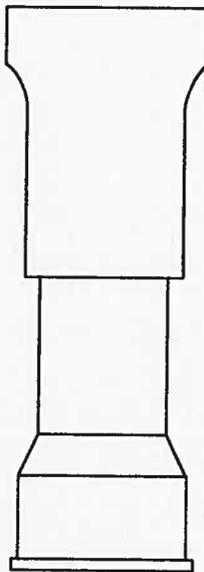
**LID LETTER OPTIONS\***

- WATER
- SEWER
- RECLAIM
- IRRIGATION
- GAS
- FIRE

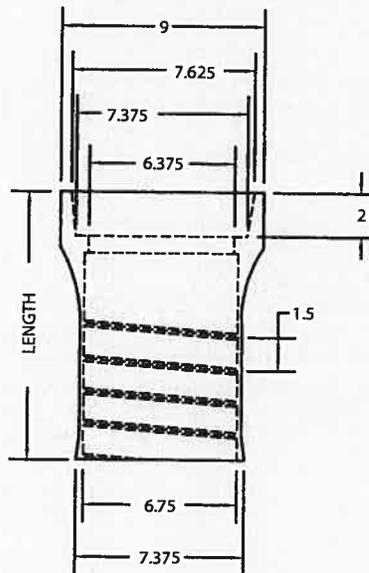
.....  
 \*Unless specified, all VB shipped with "WATER" lids.



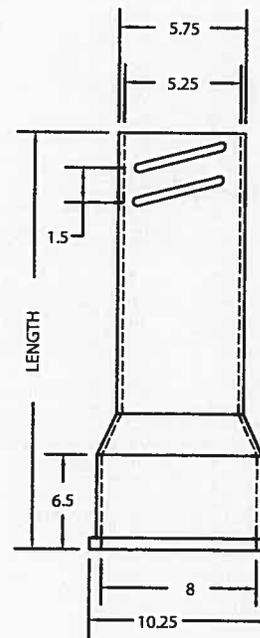
LID



BOX COMPLETE



TOP



BOTTOM

- Notes:**
- Material - Cast Iron Per ASTM A48 Class 30B or 35B
  - Dimensions in Inches



Bid Item A1



# OMEGA MARKING COMPANY

P.O. Box 655 Beaver Dam, WI 53916  
Voice: 920-478-4922 Fax: 920-478-4893

## Detectable Warning Tape

### MATERIAL SPECIFICATIONS

- 5.0 mil overall thickness
- 100% virgin low density polyethylene
- Aluminum center core
- Withstands temperature range of -94 F through 200 F
- Manufactured for durability and resistance to the elements

### MANUFACTURING SPECIFICATIONS

- Subsurface graphics
- Triple-layer lamination

### APPLICATIONS

- Detectable warning tape is used for protection, early identification, and accurately locating underground utility installations
- Use appropriate legend & A.P.W.A. colored tape to specify the type of utility being protected
- A.P.W.A. color code denotes: Orange--Telecommunication and CATV Lines, Blue--Water Lines, Green--Sewer Lines, Purple--Reclaimed Water Lines, Red--Electrical Lines, Yellow--Gas Lines

**2" WIDE**

### PRODUCT ANALYSIS

ATTRIBUTE	PROCEDURE	VALUE*
Thickness	ASTM D 2103	5.0 Overall Thickness
Elongation	ASTM D 88280A	
	MD	80%
	TD	139%
Density	ASTM D 792-66	1.090 (gm/cc)
Coefficient of Friction	ASTM D 3248-73	Static 0.247
Tensile Strength	ASTM D 882	5,800 PSI
Printability	ASTM D 2578	Min .45 Dynes
Flexibility	ASTM D 671-76	Pliable Hand
Graphic Repeat	MFRG. SPECS	Repeat Every 23"

### ENDORSEMENTS

- Meets federal gas safety regulation S-192-321(E)
- Meets OSHA regulation 1926-956 (C) (I) covering the location of underground utility lines

\* Values are a nominal + or - 10% to allow for manufacturing variance



# OMEGA MARKING COMPANY

P.O. Box 655 Beaver Dam, WI 53916  
Voice: 920-478-4922 Fax: 920-478-4893

## Non-Detectable Warning Tape

### MATERIAL SPECIFICATIONS

- 100% virgin low density polyethylene
- Pigmented with lead-free resins
- Withstands temperature range of -94 F through 200 F
- All colors are consistent with A.P.W.A. color code guidelines
- Manufactured for durability and resistance to the elements

### APPLICATIONS

- Non-detectable warning tape is used for protection, early identification, and accurately locating underground utility installations
- Use appropriate legend & A.P.W.A. colored tape to specify the type of utility being protected
- A.P.W.A. color code denotes: Orange--Telecommunication and CATV Lines, Blue--Water Lines, Green--Sewer Lines, Purple--Reclaimed Water Lines, Red--Electrical Lines, Yellow--Gas Lines

### PRODUCT ANALYSIS

ATTRIBUTE	PROCEDURE	VALUE*
Thickness	ASTM D 2103	4.0 MIL
Elongation	ASTM D 88280A	
	MD	600%
	TD	750%
Density	ASTM D 792-66	0.922 (gm/cc)
Tensile Strength	ASTM D 882	
	MD	3,500PSI
	TD	2,700PSI
Printability	ASTM D 2578	Min .45 Dynes
Flexibility	ASTM D 671-76	Pliable Hand
Graphic Repeat	MFRG. SPECS	Repeat Every 23"
Material	MFRG. SPECS	Virgin LDPE

### ENDORSEMENTS

- Meets federal gas safety regulation S-192-321(E)
- Meets OSHA regulation 1926-956 covering the location of underground utility lines

\* Values are a nominal + or - 10% to allow for manufacturing variance

Bid Item AJ

**COPPERHEAD INDUSTRIES, LLC**  
P.O. Box 1081  
Monticello, MN 55362 (877) 726-5644 Fax: (763) 271-3694  
[www.copperheadwire.com](http://www.copperheadwire.com)

**#10 CCS High Strength Soft Drawn 600#**

**Part #s:** 1030\*-HS-500 / 1030\*-HS-1000 / 1030\*-HS-2500

Part # description: 10 (AWG), 30 (jacket mil), \* (indicates jacket color: B=Blue, Y=Yellow, R=Red, K=Black, N=Orange, G=Green, P=Purple) HS (high strength-soft drawn) – 500, 1000 or 2500 (wire length in ft.)

**Print Line:** Physical, permanent markings: surface legend print on insulating jacket to repeat at minimum interval of every two linear feet. Ink colors will include: Black Ink for the following jacket colors: Yellow, Blue, Red, Orange, Purple and Green. White Ink for Black jacket.

**COPPERHEAD \* 10 AWG-SOLID HS-CCS TRACER WIRE \* 30 MIL HDPE \* 30 VOLT \* DIRECT BURIAL ONLY**

**Spool Label:** Wound wire on a compact spool made of metal, plastic, or wood.

**COPPERHEAD INDUSTRIES, LLC**  
1030\*-HS-500 (Production Trace Code)  
10 AWG-Solid CCS Tracer Wire  
30 Mil HDPE \* 30 Volt  
Direct Burial Only  
[www.copperheadwire.com](http://www.copperheadwire.com)

**Recommended Purchasing Description:**

Direct Burial #10 AWG Solid (.1019" diameter), 21% conductivity copper-clad annealed high carbon steel high strength tracer wire, 600# average tensile break load, 30 mil. high molecular weight-high density polyethylene jacket complying with ASTM-D-1248, 30 volt rating.



**Recommended Engineering Specifications:**

**Conductor Specifications for High Strength Tracer Wire  
#10 CCS High Strength Soft Drawn 600#**

**Specification:** This specification describes the properties of the conductor to be used in the fabrication of high strength tracer wire.

1. **Material Description:** Copperweld® Copper-clad steel wire composed of a steel core with a uniform and continuous copper cladding thoroughly bonded to the steel throughout. Wire must conform with ASTM B910 / B910M
  - a. **Cladding:** The steel and copper interface must have a metallurgical bond achieved through a high heat and pressure bonding process. Established process for porosity-free material.
  - b. **Steel:** High Strength with 0.54 carbon or greater. Verified to meet required mechanical properties.
  - c. **Copper:** UNS-C10200; OF Copper according to ASTM B-170 (latest revision). High conductivity, oxygen free copper to achieve optimal signal performance.
  
2. **Surface Condition:** Wire surface shall be free of any defects, including flakes, grooves, pits, and voids. Wire surface shall be smooth, bright and shiny and free of excessive copper dust and residual drawing lubricants.

**3. Physical, Mechanical, and Electrical Properties**

The wire shall conform to the properties listed in Table 1.

**TABLE 1: Physical, Mechanical, and Electrical Properties**

#10 CCS 1055 Soft Drawn 21% Conductivity	CCS Conductor
Size (AWG)	10 AWG
Conductor Type	Copper Clad Steel (CCS)
Temper	Dead Soft Annealed (DSA)
Average Break Load	600 lbs.
Minimum Tensile Strength	67,000 psi
Minimum Elongation	15.0%
Copper Thickness (% of Diameter)	3.0%
Minimum Copper Weight	13%
Nominal DC Resistance (ohms/1000 ft.)	4.7564

\* Diameter tolerances: ± 1%



**Insulating Jacket Specifications for High Strength Tracer Wire**  
#10 CCS High Strength Soft Drawn 600#

**Specification:** This specification describes the properties of the insulation material to be used in the jacketing of high strength tracer wire.

**1. Material Description:** insulating jacket is comprised of a co-polymer high molecular weight natural high density polyethylene (HDPE) designed specifically for high-speed copper wire insulating. It contains the required levels and types of primary antioxidant and metal deactivator additives to satisfy most Wire and Cable industry requirements. HDPE material will be produced with an excellent balance of surface smoothness, processing ease, tensile and elongation properties, abrasion toughness, environmental stress crack, thermal stress crack resistance, and electrical consistency.

**2. Physical, Mechanical, and Electrical Properties**

The wire shall conform to the properties listed in Table 1.

**TABLE 1: Physical, Mechanical, and Electrical Properties**

High Density Polyethylene Insulator	Value
Density (ASTM D 792)	0.943 g/cc
Bulk Density (ASTM D 1895)	0.58 g/cc
Melt Index (ASTM D 1238/E)	0.70 dg/min
Tensile-Yield (ASTM D 638)	4300 psi
Tensile-Ultimate (ASTM D 638)	2900 psi
Tensile-Elongation (ASTM D 638)	850%
Flexural Modulus (ASTM D 790/1)	120,000 psi
Hardness (ASTM D 2240)	63 Shore D
Environmental Stress-Crack (ASTM D 1693/B)	F <sub>20</sub> > 48 h
Thermal Stress-Crack (ASTM D2951)	F <sub>0</sub> > 1000 h
Brittleness Temperature (ASTM D 746)	< -95° F
Melting Point (DSC) (ASTM D 3417)	262° F
Softening Point (Vicat) (ASTM D 1525)	250° F
Oxidative Induction Time (ASTM D 3895)	> 50 min. @ 200° C
Dielectric Constant (ASTM D 1531)	2.34 @ 1MHz
Dissipation Factor (ASTM D 1531)	0.00007 @ 1 MHz
Volume Resistivity (ASTM D 257)	5 x 10 <sup>17</sup> ohm-cm
Dielectric Strength (ASTM D 3755)	1000 volts @ 20 mils



Bid Item AJ

**Copperhead Reinforced Tracer Wire Spool Size and Weights**

Material	Spool Length	Spool Size	Spools / Box	Shipping Weight
1430*-HS	500	6.5" X 6" PL	4	32 lbs.
	1000	6.5" X 9" PL	4	64 lbs.
	2500	14" X 10" W	1	41 lbs.
1230*-HS	500	6.5" X 6" PL	4	47 lbs.
	1000	8.5" X 7" ML	2	47 lbs.
	2500	14" X 10" W	1	59 lbs.
1245*-EHS	500	6.5" X 9" PL	4	53 lbs.
	1000	8.5" X 7" ML	2	53 lbs.
	2500	14" X 10" W	1	67 lbs.
1030*-HS	500	6.5" X 9" PL	4	69 lbs.
	1000	8.5" X 7" ML	2	69 lbs.
	2500	14" X 10" W	1	87 lbs.

Spool Size	Flange	Traverse	Barrel	Arbor Hole	Material	Color
6.5" X 6"	6.5"	6"	1 15/16"	13/16"	High Impact Polystyrene 1/8" Wall Thickness	Purple
6.5" X 9"	6.5"	9"	1 15/16"	13/16"	High Impact Polystyrene 1/8" Wall Thickness	Black
8.5" X 7"	8.5"	7"	2"	3/4"	Stamped Metal	Silver
14" X 10"	14"	10"	5"	1 9/16"	Plywood	Tan



Bid Item AJ



**COPPERHEAD COMPARISON SHEET**  
Copperhead Reinforced Tracer Wire (Copper Clad Steel) vs. Solid Copper

SIZE	#14 AWG		#12 AWG		#10 AWG	
Conductor Construction	CCS	Solid CU	CCS	Solid CU	CCS	Solid CU
Conductor OD	0.0641	0.0641	0.0808	0.0808	0.1019	0.1019
Insulation Material	HDPE	THHN (nylon)	HDPE	THHN (nylon)	HDPE	THHN (nylon)
Insulation Thickness	.030"	.012"	.030"	.012"	.030"	.012"
Nominal OD	.124"	0.088	.141"	0.105	.162"	0.133
Nom DC Resistance /1000ft (Ohms)	12.0270	2.5241	7.564	1.5885	4.756	0.9987
Weight per 1000 feet (lbs)	15.5	16.8	22	25.4	32.5	38.9
Breaking Load in lbs	250	112	380	180	600	285
Impact Force in - lbs**	42		67.4		107.5	
<b>Copperhead Part Number</b>	1430*-HS-		1230*-HS-		1030*-HS-	
Spool sizes available	500', 1000', & 2500'		500', 1000', & 2500'		500', 1000', & 2500'	

\* Denotes Color: Y=Yellow, B=Blue, R=Red, K=Black, N=Orange, G=Green, P=Purple  
 \*\* Measured with a falling weight (shovel simulation) tester, modeled from Gardner Impact Factor (ASTM D5420)

**COPPERHEAD SoloShot Directional Boring Wire Specifications**

SIZE	#12 EHS
Conductor Construction	CCS
Conductor OD	0.0808
Insulation Material	HDPE
Insulation Thickness	.045"
Nominal OD	0.171
Nom DC Resistance /1000ft (Ohms)	7.564
Weight per 1000 feet (lbs)	22
Breaking Load in lbs	1150
<b>Copperhead Part Number</b>	1245*-EHS-
Spool sizes available	500', 1000', & 2500'

Directional Drill Wire Comparison:  
 #12 Stainless Steel Break load is 1200 lbs  
 #10 Solid Copper Break load is 285 lbs

# Work Session

## CITY COUNCIL MEETING AGENDA REQUEST

DATE: 02/26/15

DEPT: Utilities Dept.

MEETING DATE: 03/11/15

**DISCUSSION ITEM/TOPIC:** Recommended preferred alternative to ensure Peterson Dam meets the New Mexico Office of the State Engineer's dam safety requirement.

**BACKGROUND/RATIONALE:** URS Corporation (AECOM) prepared and evaluated several alternatives to rehabilitate Peterson Dam to meet New Mexico Office of the State Engineers dam safety requirements.

*The primary issues are:*

- 1) Concrete deterioration of the upstream and downstream faces which could lead to instability.
- 2) Increase in Foundation/Reservoir Seepage indicates a potential for material transport which could lead to loss of abutment support or other stability issues.
- 3) Intake Tower/Outlet Works operability is in question and the outlet conduit is in questionable condition.
- 4) Foundation Erosion during a flood event could lead to undercutting of the dam on the abutments and loss of support for the arches.

*Three alternatives including Engineers Opinion of Construction Costs (EOCC) are:*

- A) Install a CARPI liner with reinforced concrete overlay on the upstream and downstream faces, install a grout curtain and a partial clay blanket to mitigate seepage, replace the upper and intermediate gate and replace and relocate the lower gate along with slip lining the existing outlet conduit to restore intake tower and outlet works operability, and raising of the dam crests on the abutments with the installation of a 36 foot channel to direct flows away from the abutment to reduce the potential for erosion. (\$8.7M EOCC)
- B) Replacement with a Roller Compacted Concrete gravity dam. (\$8.8M EOCC)
- C) Replacement with a Mass Concrete arch dam. (\$7.0M EOCC)

**THIS REQUEST FORM MUST BE SUBMITTED TO THE CITY CLERK'S OFFICE NO LATER THAN 5:00 P.M. ON FRIDAY ONE AND A HALF WEEKS PRIOR TO THE CITY COUNCIL MEETING.**

SUBMITTER'S SIGNATURE

REVIEWED AND APPROVED BY:

ALFONSO E. ORTIZ, JR.  
MAYOR

ELMER J. MARTINEZ  
CITY MANAGER

\_\_\_\_\_  
PURCHASING AGENT  
(FOR BID/RFP AWARD)

\_\_\_\_\_  
ANN MARIE GALLEGOS  
FINANCE DIRECTOR  
(PROCUREMENT)

\_\_\_\_\_  
DAVE ROMERO  
CITY ATTORNEY  
(ALL CONTRACTS MUST BE  
REVIEWED)

Approved to form 1-26-15



**UTILITIES DEPARTMENT PROJECT SUMMARY SHEET**

**PROJECT NAME:** Peterson Rehabilitation/Expansion    **PROJECT NUMBER:** UT-WS-2013-2

**PROJECT DESCRIPTION:** Project is to rehabilitate the dam and appurtenant structures to comply with the NM Office of the State Engineer

**ACTION TIMELINE:**

**ENGINEER ESTIMATE:** \$10,000,000.00

**LINE ITEM NUMBER:** 646-0000-650-8741

**BUDGETED AMOUNT:** \$600,000

**Funding Sources**

**Expenditures**

City Funds	\$ 62,362.00
<u>WTB 251 (Evaluation)</u>	<u>\$600,000.00</u>
<b>Total Funds Available</b>	<b>\$662,362.00</b>

<b>Peterson Dam Enlargement</b>	<b>\$ 190,000.00</b>
<b>Alternatives Evaluation:</b>	<b>\$ 472,362.00</b>
<b>Planning and Design:</b>	<b>\$1,700,000.00</b>
<u><b>Construction</b></u>	<u><b>\$5,300,000.00</b></u>
<b>TOTAL COST (W/Tax):</b>	<b>\$7,662,362.00</b>

<b>ACTION</b>	<b>DESCRIPTION</b>	<b>DATE</b>
<b>Loan/Grant</b>	WTB 251 \$600,000	06/30/2013
<b>Authorized Ordinance</b>		
<b>Loan/Subsidy Agreement</b>		
<b>Engineering Services Agreement</b>	Agreement with URS 2554-12	10/17/2012
<b>Bid Document Review</b>		
<b>RFB Advertised</b>		
<b>RFB Opening</b>		
<b>Engineers Recommendation</b>		
<b>Committee Recommendation</b>		
<b>Council Approval</b>		
<b>Notice to Proceed</b>		



8181 E. Tufts Ave.  
Denver, CO 80237  
Tel: 303.694.2770  
Fax: 303.694.3946

February 12, 2015

Mr. Ken Garcia  
City of Las Vegas  
1700 North Grand Avenue  
Las Vegas, NM 87701

**Re: Peterson Dam Rehabilitation Alternative Recommendation**

Dear Mr. Garcia:

URS Corporation (URS) prepared and evaluated several alternatives to rehabilitate Peterson Dam to meet New Mexico Office of the State Engineer's (NMOSE) dam safety requirements. This letter presents a summary of the alternatives that were developed and evaluated, and recommends a preferred alternative for the project.

Peterson Dam is a 50-foot concrete arch dam owned and operated by the City of Las Vegas, NM, (City) and impounds Peterson Reservoir which has a storage capacity of 210 acre-feet. The dam and reservoir are located approximately 5½ miles northwest of Las Vegas, New Mexico and serves as a municipal raw water supply for the City. The dam was originally constructed in the early 1910's. Rehabilitative work was performed in the early 1980's to repair deteriorated concrete and seepage through the dam by injecting cracks/joints with epoxy.

Through inspections by the NMOSE and evaluations of the dam by URS, it was determined that Peterson Dam did not satisfy NMOSE dam safety requirements. The primary issues are as follows:

1. **Concrete Deterioration:** Visual inspections by divers and URS engineers indicate significant spalling and other deterioration of the concrete, specifically in the vicinity of the lift lines (i.e., horizontal construction joints), on both the upstream and downstream faces of the dam. Although the losses to date are not indicative of an imminent dam safety concern, continued deterioration could lead to instability.
2. **Foundation/Reservoir Seepage:** Inflow/outflow records for Peterson Reservoir indicate a significant increase in seepage, primarily through the foundation, between 2002 and 2012. Such an increase in seepage indicates potential for material transport in the foundation, which could lead to loss of abutment support or other stability issues.
3. **Intake Tower/Outlet Works:** A dive survey of the outlet works indicates an unconventional intake with no reliable upstream control (operability of the gates on the exterior of the tower is questionable). Continued accumulation of sediment in the reservoir could plug the outlet and the condition of the outlet conduit is questionable.
4. **Foundation Erosion:** An evaluation of the existing dam for floods up to the Spillway Design Flood (SDF) indicated that erosion of the foundation during a flood event is possible. Such erosion could lead to undercutting of the dam on the abutments and loss of support for the arches. Furthermore, flows from the canal around the reservoir could lead to erosion of the left abutment and should be directed away from the abutment for larger flows.

In order to address these concerns, URS developed several alternatives for rehabilitation of the existing dam. The preferred alternative was selected based on cost, risk reduction, and longevity. The alternatives developed for each issue identified above are as follows:

1. **Upstream/Downstream Faces of Dam:** A CARPI liner and a reinforced concrete overlay were considered for the upstream face. Due to concerns regarding potential for further deterioration under normal operations and, especially, during a flood event, a reinforced concrete overlay were considered necessary for both the upstream and downstream faces.
2. **Foundation/Reservoir Seepage Control:** Due to the orientation of primary joints in the foundation, a grout curtain is the primary measure recommended to mitigate seepage through the foundation. To further mitigate seepage in other areas of the reservoir, a partial clay blanket targeting observed problem areas on the reservoir floor and rim and a full clay blanket on the reservoir floor were also evaluated. The grout curtain and partial clay blanket were selected as the preferred alternative.
3. **Intake Tower/Outlet Works Rehabilitation:** To restore selective withdrawal from the reservoir, replacement of the existing upper and intermediate gates in-kind using the existing openings through the intake tower walls was determined to be a viable alternative based on the dive inspection. Replacement of the lower gate in-kind and relocation of the lower gate were considered. Sliplining and replacement of the existing outlet conduit were considered to improve the reliability of the system and restore upstream control with a guard gate in the intake tower. Sliplining the existing outlet conduit was selected as the preferred alternative.
4. **Overtopping Protection:** To reduce the potential for erosion that could undermine the dam, a scour slab was designed for partial and complete overtopping of the dam. Partial overtopping would be achieved by raising the dam crest on the abutments to force the flow over the center of the dam, thus reducing the efforts to construct scour slabs up the abutments. The partial overtopping alternative was selected as the preferred alternative. For flows around the reservoir in smaller flood events, a reinforced concrete channel and steel pipe were considered to direct flows away from the abutment. A 36-foot long concrete channel was selected as the preferred alternative.

The conceptual level engineer's opinion of construction cost (EOCC) for the preferred alternatives was approximately \$7 million.

Based on the expected costs for the rehabilitation, URS recommended that replacement of the existing dam could result in reduced costs if the City could manage the water to allow taking Peterson Reservoir out of service for a construction season. It was decided that this approach might be possible once the modifications to Bradner Dam had been completed. Based on these discussions, URS developed concepts for removal and replacement of Peterson Dam with an either a Roller Compacted Concrete (RCC) gravity dam or a mass concrete arch dam. The EOCC for the replacement with a gravity dam and an arch dam were estimated to be \$6.7million and \$5.3 million, respectively. Note that these cost estimates are not to the same level as the estimate for rehabilitation and further evaluation, including a geotechnical field investigation program, will be required to select the final recommended alternative.

Mr. Ken Garcia  
Utility Director - City of Las Vegas  
February 12, 2015  
Page 3

The design fees for the dam replacement alternatives are expected to be higher than those for the rehabilitation, primarily due to additional field investigations, design, and constructability issues related to the larger quantity of concrete and/or RCC that would be required for the site and the additional detailing and evaluation required to prove the new design. The total project costs (design fees, construction fees, taxes) for rehabilitation, replacement with and RCC dam, and replacement with an arch dam were estimated to be approximately \$8.7 million, \$8.8 million, and \$7.0 million, respectively.

Based on this evaluation, replacement of the existing arch dam with a new mass concrete arch dam is the recommended alternative to bring Peterson Dam in compliance with New Mexico Office of the State Engineer (NMOSE) dam safety regulations. The new dam would be built in the footprint of the existing dam to minimize the foundation preparation requirements. This method of construction would also reduce construction costs associated with features common to all of the alternatives (e.g., grout curtain, clay blanket) by improving access to the reservoir floor and rim.

The City is also considering using the reservoir in the future to store treated effluent which would require the reservoir basin to be lined with a synthetic liner to meet New Mexico Environmental Department regulations. The reservoir liner is independent of the NMOSE dam safety issues so could be added at a later date if the City decides to proceed with their plans to store treated effluent in the reservoir. The aforementioned costs do not include the cost of the liner since it is not related to the safety of the dam.

If you have any questions, please contact me at (303) 740-3949.

Sincerely,  
**URS Corporation**

A handwritten signature in blue ink, appearing to read 'Ed A. Toms', with a long horizontal flourish extending to the right.

Ed A. Toms, PE, Vice President  
Project Manager

## Work Session

### CITY COUNCIL MEETING AGENDA REQUEST

DATE: 3/2/15

DEPT: Executive

MEETING DATE: 3/11/15

**DISCUSSION ITEM/TOPIC:** Appointment of Mayor Pro Tem as per the City of Las Vegas Municipal Charter, Article III, Section 3.03 Mayor Pro Tempore and designating the month of April each year as the effective date.

**BACKGROUND/RATIONALE:** The City of Las Vegas Municipal Charter states that the Mayor Pro Tem shall serve a one (1) year term. In past years the Mayor Pro Tem has been appointed during various months. The City Clerk has recommended that the month of April be designated each year for the appointment of Mayor Pro Tem so that during election years, the newly elected Mayor and Council may elect from its membership a Mayor Pro Tem to assume the role of Mayor during the temporary absence or disability of the Mayor.

**THIS REQUEST FORM MUST BE SUBMITTED TO THE CITY CLERK'S OFFICE NO LATER THAN 5:00 P.M. ON FRIDAY ONE AND A HALF WEEKS PRIOR TO THE CITY COUNCIL MEETING.**

\_\_\_\_\_  
SUBMITTER'S SIGNATURE

REVIEWED AND APPROVED BY:



\_\_\_\_\_  
ALFONSO E. ORTIZ, JR.  
MAYOR



\_\_\_\_\_  
ELMER J. MARTINEZ  
CITY MANAGER

\_\_\_\_\_  
ANN MARIE GALLEGOS  
FINANCE DIRECTOR  
(PROCUREMENT)

\_\_\_\_\_  
PURCHASING AGENT  
(FOR BID/RFP AWARD)

\_\_\_\_\_  
DAVE ROMERO  
CITY ATTORNEY  
(ALL CONTRACTS MUST BE  
REVIEWED)