

**AMENDMENT TO CONTRACT  
CITY OF LINCOLN  
ANNUAL SUPPLY FOR LEAD FREE WATER SERVICE VALVES AND FITTINGS,  
LINCOLN WATER SYSTEM  
BID NO. 13-089  
SECOND RENEWAL**

This Amendment is hereby entered into by and between Lincoln Winwater Works Company, 515 NW 27<sup>th</sup> St., Suite 2, Lincoln, NE 68528 (hereinafter "Contractor") and City of Lincoln (hereinafter "City"), for the purpose of amending the Contract dated April 24, 2013, under D. O. No. 86032, (the "Contract"), for the **Annual Supply for Lead Free Water Service Valves and Fittings, Lincoln Water System, Bid No. 13-089**, which is made a part hereof by this reference.

WHEREAS, the original term of the Contract is April 24, 2013 through April 23, 2014, with the option to renew for three (3) additional one (1) year terms upon written mutual consent of both parties; and

WHEREAS, the Contract was amended by the City E.O. 86960 on March 7, 2014, to renew the Contract for an additional one (1) year term from April 24, 2014 through April 23, 2015; and

WHEREAS, the parties wish to renew the Contract for an additional one (1) year term beginning April 24, 2015 through April 23, 2016; and

WHEREAS, the estimated expenditures for City Departments for the term of this renewal shall not exceed \$151,000.00 without prior approval by the City of Lincoln.

NOW, THEREFORE, IN CONSIDERATION of the mutual covenants stated herein the parties agree as follows:

- 1) The term of the Contract shall be from April 24, 2015 through April 23, 2016.
- 2) The estimated expenditures for City Departments for the term of this renewal shall not exceed \$151,000.00 without prior approval by the City of Lincoln.
- 3) All other terms of the Contract, not in conflict with this Amendment, shall remain in full force and effect.

The Parties do hereby agree to all the terms and conditions of this Amendment. This Amendment shall be binding upon the parties, their heirs, administrators, executors, legal and personal representatives, successors, and assigns.

IN WITNESS WHEREOF, the Parties do hereby execute this Amendment.

**Official City Use Only**

Dated this <u>5<sup>th</sup></u> day
of <u>March</u> 2015

_____ Chris Beutler, Mayor

Supplier, please fill in the date and following information and mail back to our office; a faxed copy is not acceptable.

Company Name: (Please Print)	Lincoln Winwater
By: (Please Sign)	<i>Nate Kollars</i>
By: (Please Print)	Nate Kollars
Title: (Please Print)	Sales Representative
Company Address: (Please Print)	515 NW 27 <sup>th</sup> St., Ste. 2 Lincoln NE 68528
Company Phone & Fax: (Please Print)	402 438 2988 402 438 2992
E-Mail Address: (Please Print)	<i>nmkollars@winwaterworks.com</i>
Date: (Please Print)	2-18-15
Contact Person For: "Orders or Service" (Please Print)	<i>Nate Kollars</i>
Phone Number:	402 525 2471 cell

AMENDMENT TO AGREEMENT  
CITY OF LINCOLN  
ANNUAL SUPPLY FOR LEAD FREE WATER SERVICE VALVES AND FITTINGS,  
LINCOLN WATER SYSTEM  
BID NO. 13-089  
FIRST RENEWAL

This Amendment is hereby entered into on this 7<sup>th</sup> day of March, 2014 by and between Lincoln Winwater Works Company, 515 NW 27<sup>th</sup> St., Suite 2, Lincoln, NE 68528 (hereinafter "Contractor") and City of Lincoln (hereinafter "City"), for the purpose of amending an Agreement dated April 24, 2013, under D. O. No. 86032, (the "Agreement"), for The Annual Supply for Lead Free Water Service Valves and Fittings, Lincoln Water System, Bid No. 13-089, which is made a part hereof by this reference.

WHEREAS, the original term of the Agreement is April 24, 2013 through April 23, 2014, with the option to renew for three (3) additional one (1) year terms upon written mutual consent of both parties; and

WHEREAS, the parties wish to renew the agreement for an additional one (1) year term beginning April 24, 2014 through April 23, 2015; and

NOW, THEREFORE, IN CONSIDERATION of the mutual covenants stated herein the parties agree as follows:

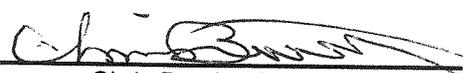
- 1) The term of the Agreement shall be from April 24, 2014 through April 23, 2015.
- 2) All other terms of the Agreement, not in conflict with this Amendment, shall remain in full force and effect.

The Parties do hereby agree to all the terms and conditions of this Amendment. This Amendment shall be binding upon the parties, their heirs, administrators, executors, legal and personal representatives, successors, and assigns.

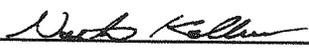
IN WITNESS WHEREOF, the Parties do hereby execute this Amendment.

Official City Use Only

Dated this 7<sup>th</sup> day  
of March 2014

  
Chris Beutler, Mayor

Supplier, please fill in the date and following information and mail back to our office; a faxed copy is not acceptable.

Company Name: (PLEASE PRINT)	<u>Lincoln Winwater</u>
By: (PLEASE PRINT)	<u>Nate Kollars</u>
By: (PLEASE SIGN)	
Title:	<u>Sales Representative</u>
Company Address: (PLEASE PRINT)	<u>515 NW 27<sup>th</sup> St. Ste. 2 Lincoln NE 68528</u>
Company Phone & Fax: (PLEASE PRINT)	<u>402 438 2988 402 438 2992</u>
E-Mail Address: (PLEASE PRINT)	<u>natekollars@winwaterworks.com</u>
Date:	<u>2-20-14</u>

86032

**CONTRACT DOCUMENTS**

**CITY OF LINCOLN  
NEBRASKA**

**ANNUAL REQUIREMENTS  
FOR  
Lead Free Water Service  
Valves and Fittings, Lincoln Water System  
Bid No. 13-089**

**Lincoln Winwater Works Company  
515 NW 27<sup>th</sup> St., Suite 2  
Lincoln, NE 68528  
402.438.2988**

**CITY OF LINCOLN  
CONTRACT AGREEMENT**

THIS CONTRACT, made and entered into this \_\_\_\_\_ day of \_\_\_\_\_ 2013, by and between **Lincoln Winwater Works Company, 515 NW 27<sup>th</sup> St., Suite 2, Lincoln, NE 68528**, hereinafter called "Contractor", and the City of Lincoln, Nebraska, a municipal corporation, hereinafter called "City".

WHEREAS, the City has caused to be prepared, in accordance with law, Specifications, Plans, and other Contract Documents for the Work herein described, and has approved and adopted said documents and has caused to be published an advertisement for and in connection with said Work, to-wit:

**For providing Lead Free Water Service Valves and Fittings, Lincoln Water System, Bid 13-089** and,

WHEREAS, the Contractor, in response to such advertisement, has submitted to the City, in the manner and at the time specified, a sealed Proposal/Supplier Response in accordance with the terms of said advertisement; and,

WHEREAS, the City, in the manner prescribed by law has publicly opened, read aloud, examined, and canvassed the Proposals/Supplier Responses submitted in response to such advertisement, and as a result of such canvass has determined and declared the Contractor to be the lowest responsible bidder for the said Work for the sum or sums named in the Contractor's Proposal/Supplier Responses, a copy thereof being attached to and made a part of this Contract;

NOW, THEREFORE, in consideration of the sums to be paid to the Contractor and the mutual covenants herein contained, the Contractor and the City has agreed and hereby agree as follows:

1. The Contractor agrees to (a) furnish all tools, equipment, supplies, superintendence, transportation, and other accessories, services, and facilities; (b) furnish all materials, supplies, and equipment specified to be incorporated into and form a permanent part of the complete work; (c) provide and perform all necessary labor in a substantial and workmanlike manner and in accordance with the provisions of the Contract Documents; and (d) execute and complete all Work included in and covered by the City's award of this Contract to the Contractor, such award being based on the acceptance by the City of the Contractor's Proposal, or part thereof, as follows:

**Agreement to full proposal.**

2. The City agrees to pay to the Contractor for the performance of the Work embraced in this Contract, the Contractor agrees to accept as full compensation therefore, the following sums and prices for all Work covered by and included in the Contract award and designated above, payment thereof to be made in the manner provided by the City:

**City will pay for products/service, according to the Line Item pricing as listed in Contractors Proposal/Supplier Response, for an estimated sum of \$178,076.85, a copy thereof being attached to and made a part of this Contract. The City shall order on an as needed basis for the duration of the contract.**

3. **Equal Employment Opportunity.** In connection with the carrying out of this project, the contractor shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, ancestry, disability, age or marital status. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, national origin, ancestry, disability, age or marital status. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other compensation; and selection for training, including apprenticeship.

4. E-Verify. In accordance with Neb. Rev. Stat. 4-108 through 4-114, the contractor agrees to register with and use a federal immigration verification system, to determine the work eligibility status of new employees performing services within the state of Nebraska. A federal immigration verification system means the electronic verification of the work authorization program of the Illegal Immigration Reform and Immigrant Responsibility Act of 1996, 8 U.S.C. 1324 a, otherwise known as the E-Verify Program, or an equivalent federal program designated by the United States Department of Homeland Security or other federal agency authorized to verify the work eligibility status of a newly hired employee pursuant to the Immigration Reform and Control Act of 1986. The Contractor shall not discriminate against any employee or applicant for employment to be employed in the performance of this section pursuant to the requirements of state law and 8 U.S.C.A 1324b. The contractor shall require any subcontractor to comply with the provisions of this section.
  
5. Termination. This Contract may be terminated by the following:
  - 5.1) Termination for Convenience. Either party may terminate this Contract upon thirty (30) days written notice to the other party for any reason without penalty.
  - 5.2) Termination for Cause. The City may terminate the Contract for cause if the Contractor:
    - 5.2.1) Refuses or fails to supply the proper labor, materials and equipment necessary to provide services and/or commodities.
    - 5.2.2) Disregards Federal, State or local laws, ordinances, regulations, resolutions or orders.
    - 5.2.3) Otherwise commits a substantial breach or default of any provision of the Contract Document. In the event of a substantial breach or default the City will provide the Contractor written notice of said breach or default and allow the Contractor ten (10) days from the date of the written notice to cure such breach or default. If said breach or default is not cured within ten (10) days from the date of notice, then the contract shall terminate.
  
6. Independent Contractor. It is the express intent of the parties that this contract shall not create an employer-employee relationship. Employees of the Contractor shall not be deemed to be employees of the City and employees of the City shall not be deemed to be employees of the Contractor. The Contractor and the City shall be responsible to their respective employees for all salary and benefits. Neither the Contractor's employees nor the City's employees shall be entitled to any salary, wages, or benefits from the other party, including but not limited to overtime, vacation, retirement benefits, workers' compensation, sick leave or injury leave. Contractor shall also be responsible for maintaining workers' compensation insurance, unemployment insurance for its employees, and for payment of all federal, state, local and any other payroll taxes with respect to its employees' compensation.
  
7. Contract Term. This Contract shall be effective upon execution by both parties. The term of the Contract shall be a one (1) year term with the option to renew for three (3) additional one year terms.
  
8. The Contract Documents comprise the Contract, and consist of the following:
  1. Contract Agreement
  2. Accepted Proposal/Response
  3. Specifications
  4. Special Provisions
  5. Instructions to Bidders
  6. Notice to Bidders

These Contract Agreements, together with the other Contract Documents herein above mentioned, form this Contract, and they are as fully a part of the Contract as if hereto attached or herein repeated.

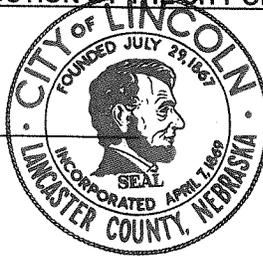
The Contractor and the City hereby agree that all the terms and conditions of this Contract shall be binding upon themselves, and their heirs, administrators, executors, legal and personal representatives, successors, and assigns.

IN WITNESS WHEREOF, the Contractor and the City do hereby execute this contract.

**EXECUTION BY THE CITY OF LINCOLN, NEBRASKA**

ATTEST:

Teresa J Meier  
City Clerk



CITY OF LINCOLN, NEBRASKA

Chin...  
Mayor

Approved by Executive No. 086032

dated 4-24-13

**EXECUTION BY CONTRACTOR**

IF A CORPORATION:

ATTEST:

\_\_\_\_\_  
Secretary (SEAL)

Lincoln Wdwater  
Name of Corporation

515 NW 27th St., Ste 2  
(Address)

By: Nath Kellum  
Duly Authorized Official

Sales Representative  
Legal Title of Official

IF OTHER TYPE OF ORGANIZATION:

\_\_\_\_\_  
Name of Organization

\_\_\_\_\_  
Type of Organization

\_\_\_\_\_  
(Address)

By: \_\_\_\_\_  
Member

By: \_\_\_\_\_  
Member

IF AN INDIVIDUAL:

\_\_\_\_\_  
Name

\_\_\_\_\_  
Address

\_\_\_\_\_  
Signature

# City of Lincoln/Lancaster County (Lincoln Purchasing) Supplier Response

Bid Information		Contact Information		Ship to Information	
Bid Creator	Sharon R. Mulder Asst Purchasing Agent	Address	Purchasing 440 S. 8th St. Lincoln, NE 68508	Address	Public Works & Utilities, Water System 2021 N. 27th st. Lincoln, NE 68503
Email	smulder@lincoln.ne.gov	Contact	Sharon R. Mulder Asst Purchasing Agent	Contact	
Phone	(402) 441-7410				
Fax	(402) 441-6513				
Bid Number	13-089	Department	Purchasing	Department	
Title	Lead Free Water Service Valves and Fittings, Lincoln Water System	Building	Suite 200	Building	
Bid Type	Bid	Floor/Room		Floor/Room	
Issue Date	03/06/2013	Telephone	(402) 441-7410	Telephone	
Close Date	3/20/2013 12:00:00 PM CST	Fax	(402) 441-6513	Fax	
Need by Date		Email	smulder@lincoln.ne.gov	Email	

## Supplier Information

Company Lincoln Winwater Works Company  
 Address 515 NW 27th Street  
 Suite 2  
 Lincoln, NE 68528

Contact  
 Department  
 Building  
 Floor/Room  
 Telephone 1 (402) 4382988  
 Fax 1 (402) 4382992  
 Email  
 Submitted 3/20/2013 8:51:05 AM CST  
 Total \$178,076.85

Signature \_\_\_\_\_

## Supplier Notes

Lead time of items quoted is stock to 6 weeks ARO

## Bid Notes

## Bid Activities

## Bid Messages

Please review the following and respond where necessary

#	Name	Note	Response
1	Instructions to Bidders	I acknowledge reading and understanding the Instructions to Bidders.	Yes
2	Sample Contract	I acknowledge reading and understanding the sample contract.	Yes
3	Specifications	I acknowledge reading and understanding the specifications.	Yes
4	Delivery	State number of delivery days ARO. FOB to the City/County at the location specified with all transportation charges paid.	Y
5	Contact	Name of person submitting this bid:	Eric Leatherman
6	Renewal is an Option	Contract Extension Renewal is an option.	Yes
7	Special Provision Term Contract Provisions	I acknowledge reading and understanding the Special Provision Term Contract Provisions.	Yes
8	Term Clause of Contract	I acknowledge that the term of the contract is for a one (1) year term with the option for three (3) additional one (1) year renewals from the date of the executed contract.  (a) Are your bid prices firm for the first one (1) year contract period. YES or NO  (b) Are your bid prices subject to escalation/de-escalation YES or NO  (c) If (b), state period for which prices will remain firm: through _____	A-Yes, B-NO, C-N/A
9	Bid award	I acknowledge and understand that the City, County and/or Public Building Commission reserves the right to award bids item-by-item, with or without alternates/options, by groups, or "lump sum" such as shall best serve the requirements and interests of the City, County and/or Public Building Commission.    If your pricing is based on an all-or-nothing basis, please indicate so in the Supplier Notes section of your E-Bid response.	Yes
10	Not tax exempt	I acknowledge that this project is not tax exempt.	Yes
11	Electronic Signature	Please check here for your electronic signature.	Yes

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**Line Items**

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#	Qty	UOM	Description	Response
1	900	EA	Corporation Stops, Size: 3/4", AWWA x SP	\$18.76
			Manufacturer: A.Y. McDonald or equivalent      Manufacturer #: 3120 (NL)	
			Item Notes:       Shall meet specifications specified.	
			Supplier Notes:	
2	360	EA	Corporation Stops, Size: 1", AWWA x SP	\$27.82
			Manufacturer: A.Y. McDonald or equivalent      Manufacturer #: 3120 (NL)	
			Item Notes:       Shall meet specifications specified.	
			Supplier Notes:	
3	900	EA	Quarter Bend Corporation Stop Couplings, Size: 3/4", SP x Flare	\$13.37
			Manufacturer: A.Y. McDonald or equivalent      Manufacturer #: 4777 (NL)	
			Item Notes:       Shall meet specifications specified.	
			Supplier Notes:	
4	320	EA	Quarter Bend Corporation Stop Couplings, Size: 1", SP x Flare	\$22.38
			Manufacturer: A.Y. McDonald or equivalent      Manufacturer #: 4777 (NL)	
			Item Notes:       Shall meet specifications specified.	
			Supplier Notes:	
5	140	EA	Curb Service Stops, Size: 3/4", Flare x Flare	\$48.93
			Manufacturer: A.Y. McDonald or equivalent      Manufacturer #: 6104 (NL)	
			Item Notes:       Shall meet specifications specified.	
			Supplier Notes:	
6	60	EA	Curb Service Stops, Size: 1", Flare x Flare	\$66.02
			Manufacturer: A.Y. McDonald or equivalent      Manufacturer #: 6104 (NL)	
			Item Notes:       Shall meet specifications specified.	
			Supplier Notes:	

7	20	EA	Curb Service Stops, Size: 3/4", PEP (w/screw clamp) by Flare	\$58.07
Manufacturer: A.Y. McDonald or equivalent      Manufacturer #: 6108-33-A (NL)				
Item Notes:       Shall meet specifications specified.				
Supplier Notes:				
8	10	EA	Curb Service Stops, Size: 1", PEP (w/screw clamp) by Flare	\$85.07
Manufacturer: A.Y. McDonald or equivalent      Manufacturer #: 6108-33-A (NL)				
Item Notes:       Shall meet specifications specified.				
Supplier Notes:				
9	20	EA	Curb Service Stops, Size: 3/4", PEP (w/internal gripper) by Flare	\$58.07
Manufacturer: A.Y. McDonald or equivalent      Manufacturer #: 6108-3Q-A (NL)				
Item Notes:       Shall meet specifications specified.				
Supplier Notes:				
10	10	EA	Curb Service Stops, Size: 1", PEP (w/internal gripper) by Flare	\$85.07
Manufacturer: A.Y. McDonald or equivalent      Manufacturer #: 6108-3Q-A (NL)				
Item Notes:       Shall meet specifications specified.				
Supplier Notes:				
11	150	EA	Curb Box, Minneapolis Pattern, Size: 5'	\$25.50
Manufacturer: A.Y. McDonald or equivalent      Manufacturer #: 5614				
Item Notes:       Shall meet specifications specified.				
Supplier Notes:				
12	100	EA	Straight Service Valve, Swivel Nut by FNPT; Size: 3/4"	\$39.60
Manufacturer: A.Y. McDonald or equivalent      Manufacturer #: 6101M (NL)				
Item Notes:       Shall meet specifications specified.				
Supplier Notes:				

13	70	EA	Straight Service Valve, Swivel Nut by FNPT; Size: 1"	\$59.93
Manufacturer: A.Y. McDonald or equivalent      Manufacturer #: 6101M (NL)				
Item Notes:       Shall meet specifications specified.				
Supplier Notes:				
14	25	EA	Straight Service Valve, Flange by FNPT; Size: 1-1/2"	\$113.53
Manufacturer: A.Y. McDonald or equivalent      Manufacturer #: 6101M (NL)				
Item Notes:       Shall meet specifications specified.				
Supplier Notes:				
15	50	EA	Straight Service Valve, Flange by FNPT; Size: 2"	\$181.98
Manufacturer: A.Y. McDonald or equivalent      Manufacturer #: 6101M (NL)				
Item Notes:       Shall meet specifications specified.				
Supplier Notes:				
16	700	EA	Angle Meter Valve, Flare inlet, Size: 3/4"	\$45.04
Manufacturer: A.Y. McDonald or equivalent      Manufacturer #: 4602B (NL)				
Item Notes:       Shall meet specifications specified.				
Supplier Notes:				
17	50	EA	Angle Meter Valve, Flare inlet, Size: 1"	\$70.41
Manufacturer: A.Y. McDonald or equivalent      Manufacturer #: 4602B (NL)				
Item Notes:       Shall meet specifications specified.				
Supplier Notes:				
18	400	EA	Angle Meter Valve, PEP Inlet w/screw clamp, Size: 3/4"	\$52.58
Manufacturer: A.Y. McDonald or equivalent      Manufacturer #: 4602B-33 (NL)				
Item Notes:       Shall meet specifications specified.				
Supplier Notes:				

19	20	EA	Angle Meter Valve, PEP Inlet w/screw clamp, Size: 1"	\$79.32
Manufacturer: A.Y. McDonald or equivalent      Manufacturer #: 4602B-33 (NL)				
Item Notes:       Shall meet specifications specified.				
Supplier Notes:				
20	50	EA	Angle Meter Valve, PEP Inlet w/internal gripper, Size: 3/4"	\$55.09
Manufacturer: A.Y. McDonald or equivalent      Manufacturer #: 4602B-3Q (NL)				
Item Notes:       Shall meet specifications specified.				
Supplier Notes:				
21	20	EA	Angle Meter Valve, PEP Inlet w/internal gripper, Size: 1"	\$79.32
Manufacturer: A.Y. McDonald or equivalent      Manufacturer #: 4602B-3Q (NL)				
Item Notes:       Shall meet specifications specified.				
Supplier Notes:				
22	30	EA	Bypass Valve, FNPT by FNPT, Size: 1-1/2"	\$106.21
Manufacturer: A.Y. McDonald or equivalent      Manufacturer #: 6101W (NL)				
Item Notes:       Shall meet specifications specified.				
Supplier Notes:				
23	60	EA	Bypass Valve, FNPT by FNPT, Size: 2"	\$154.65
Manufacturer: A.Y. McDonald or equivalent      Manufacturer #: 6101W (NL)				
Item Notes:       Shall meet specifications specified.				
Supplier Notes:				
24	100	EA	Flare Outlet Couplings, FFLR by Flare, Size: 1" x 3/4"	\$13.35
Manufacturer: A.Y. McDonald or equivalent      Manufacturer #: 4754 (NL)				
Item Notes:       Shall meet specifications specified.				
Supplier Notes:				

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25	600	EA	Stainless Steel Compression Fitting Inserts, Size: 3/4"	\$1.24
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Manufacturer: A.Y. McDonald or equivalent      Manufacturer #: 6136 (NL)

Item Notes:      <br>Shall meet specifications specified.

Supplier Notes:

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26	400	EA	Stainless Steel Compression Fitting Inserts, Size: 1"	\$1.42
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Manufacturer: A.Y. McDonald or equivalent      Manufacturer #: 6136 (NL)

Item Notes:      <br>Shall meet specifications specified.

Supplier Notes:

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27	50	EA	Tap Saddle, Brass by Stainless, Size: 12" x 1"	\$142.50
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Manufacturer: A.Y. McDonald or equivalent      Manufacturer #: 3845

Item Notes:      <br>Shall meet specifications specified.

Supplier Notes:

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28	25	EA	Tap Saddle, Brass by Stainless, Size: 16" x 1"	\$359.40
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Manufacturer: A.Y. McDonald or equivalent      Manufacturer #: 3845

Item Notes:      <br>Shall meet specifications specified.

Supplier Notes: 3845 Band width is 3.19" Note deviation from specification of 3.25"

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Response Total:	\$178,076.85
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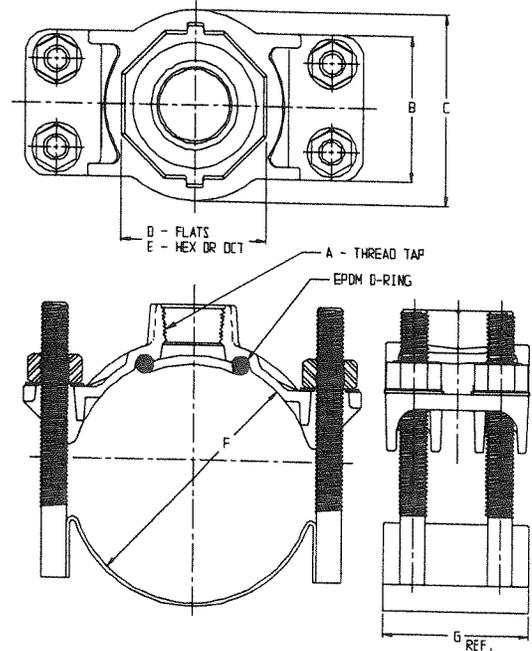
# SUBMITTAL DATA SHEET

## SS Strap Saddle - 3845

PVC x AWWA/CC



MODEL	SIZE	A	B	C	D	E	F	G	PVC TYPE
3845	4 X 3/4	3/4 AWWA/CC	3.19	3.19	1.69	HEX	4.80	3.25	C900
3845	4 X 1	1 AWWA/CC	3.19	3.19	1.69	HEX	4.80	3.25	C900
3845	4 X 1 1/2	1 1/2 AWWA/CC	3.19	4.19	3.10	OCT	4.80	3.25	C900
3845	4 X 2	2 AWWA/CC	3.19	4.19	3.45	OCT	4.80	3.25	C900
3845	6 X 3/4	3/4 AWWA/CC	3.19	3.19	1.69	HEX	6.90	3.25	C900
3845	6 X 1	1 AWWA/CC	3.19	3.19	1.69	HEX	6.90	3.25	C900
3845	6 X 1 1/2	1 1/2 AWWA/CC	3.19	4.19	3.10	OCT	6.90	3.25	C900
3845	6 X 2	2 AWWA/CC	3.19	4.19	3.45	OCT	6.90	3.25	C900
3845	8 X 3/4	3/4 AWWA/CC	3.19	3.19	1.69	HEX	9.05	3.25	C900
3845	8 X 1	1 AWWA/CC	3.19	3.19	1.69	HEX	9.05	3.25	C900
3845	8 X 1 1/2	1 1/2 AWWA/CC	3.19	4.19	3.10	OCT	9.05	3.25	C900
3845	8 X 2	2 AWWA/CC	3.19	4.19	3.45	OCT	9.05	3.25	C900
3845	10 X 3/4	3/4 AWWA/CC	3.19	3.19	1.69	HEX	11.10	3.25	C900
3845	10 X 1	1 AWWA/CC	3.19	3.19	1.69	HEX	11.10	3.25	C900
3845	10 X 1 1/2	1 1/2 AWWA/CC	3.19	4.19	3.10	OCT	11.10	3.25	C900
3845	10 X 2	2 AWWA/CC	3.19	4.19	3.45	OCT	11.10	3.25	C900
3845	12 X 3/4	3/4 AWWA/CC	3.19	3.19	1.69	HEX	13.20	3.25	C900
3845	12 X 1	1 AWWA/CC	3.19	3.19	1.69	HEX	13.20	3.25	C900
3845	12 X 1 1/2	1 1/2 AWWA/CC	3.19	4.19	3.10	OCT	13.20	3.25	C900
3845	12 X 2	2 AWWA/CC	3.19	4.19	3.45	OCT	13.20	3.25	C900
3845	18 X 3/4	3/4 AWWA/CC	4.93	5.00	3.46	OCT	19.50	5.00	C905
3845	18 X 1	1 AWWA/CC	4.93	5.00	3.46	OCT	19.50	5.00	C905
3845	18 X 1 1/2	1 1/2 AWWA/CC	4.93	5.00	3.46	OCT	19.50	5.00	C905
3845	18 X 2	2 AWWA/CC	4.93	5.00	3.46	OCT	19.50	5.00	C905
3845	30 X 3/4	3/4 AWWA/CC	4.93	5.00	3.46	OCT	32.00	5.00	C905
3845	30 X 1	1 AWWA/CC	4.93	5.00	3.46	OCT	32.00	5.00	C905
3845	30 X 1 1/2	1 1/2 AWWA/CC	4.93	5.00	3.46	OCT	32.00	5.00	C905
3845	30 X 2	2 AWWA/CC	4.93	5.00	3.46	OCT	32.00	5.00	C905



\*\* ALL STAINLESS STEEL STRAP, ONE STRAP (WITH 4 STUDS WELDED ON) PER ASSEMBLY.

DRAWING MAY NOT RESEMBLE ACTUAL SADDLE CONFIGURATION

### SUBMITTAL INFORMATION

- Manufactured in compliance with ANSI/AWWA C800 (latest revision)
- Brass components conform to ASTM B62 and ASTM B584, UNS C83600 -85-5-5-5 (latest revision)
- Certified to NSF/ANSI 61
- 304L Stainless Steel strap(s) and 5/8" studs. Stainless steel nuts (PTFE coated) and washers
- EPDM o-ring
- Pipe and tap size, and thread type identified on saddle
- Outlet boss with large wrench flats
- Made in the United States of America



A.Y. McDonald Mfg. CO.  
P.O. Box 508  
Dubuque, IA 52004-508

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[www.aymcdonald.com](http://www.aymcdonald.com)

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Submitted by:

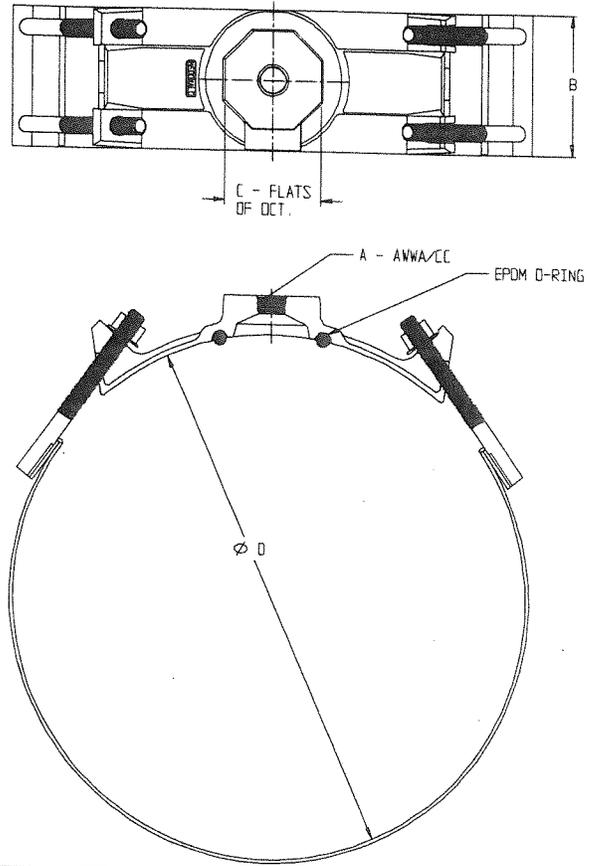
# SUBMITTAL DATA SHEET

SS Strap Saddle – 3845A

C905 PVC x AWWA/CC



MODEL	SIZE	A	B	C	D
3845A	14 X 3/4	3/4	5.00	3.46	15.30-16.25
3845A	14 X 1	1	5.00	3.46	15.30-16.25
3845A	14 X 1 1/2	1 1/2	5.00	3.46	15.30-16.25
3845A	14 X 2	2	5.00	3.46	15.30-16.25
3845A	16 X 3/4	3/4	5.00	3.46	17.40-18.40
3845A	16 X 1	1	5.00	3.46	17.40-18.40
3845A	16 X 1 1/2	1 1/2	5.00	3.46	17.40-18.40
3845A	16 X 2	2	5.00	3.46	17.40-18.40
3845A	20 X 3/4	3/4	5.00	3.46	21.20-22.20
3845A	20 X 1	1	5.00	3.46	21.20-22.20
3845A	20 X 1 1/2	1 1/2	5.00	3.46	21.20-22.20
3845A	20 X 2	2	5.00	3.46	21.20-22.20
3845A	24 X 3/4	3/4	5.00	3.46	23.80-24.80
3845A	24 X 1	1	5.00	3.46	23.80-24.80
3845A	24 X 1 1/2	1 1/2	5.00	3.46	23.80-24.80
3845A	24 X 2	2	5.00	3.46	23.80-24.80



## SUBMITTAL INFORMATION

- Manufactured in compliance with ANSI/AWWA C800 (latest revision)
- Brass components conform to ASTM B62 and ASTM B584, UNS C83600 -85-5-5-5 (latest revision)
- Certified to NSF/ANSI 61
- 304L Stainless Steel strap(s) and studs. Stainless steel nuts (PTFE coated) and washers
- EPDM o-ring
- Pipe and tap size, and thread type identified on saddle
- Outlet boss with large wrench flats
- Made in the United States of America



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Submitted by:

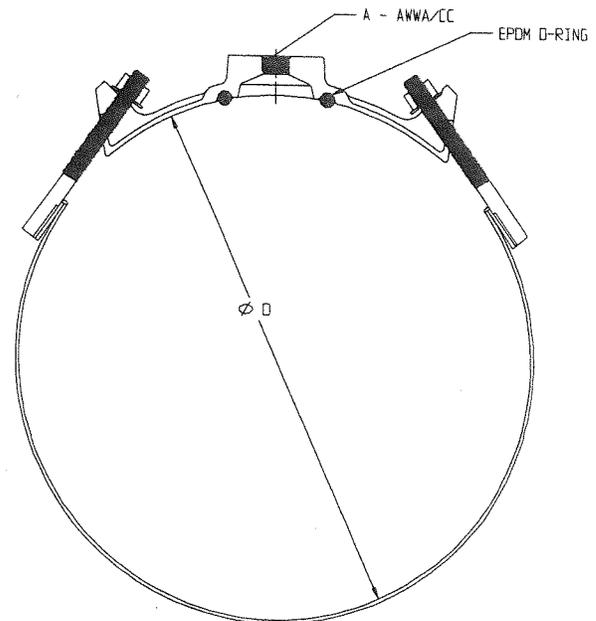
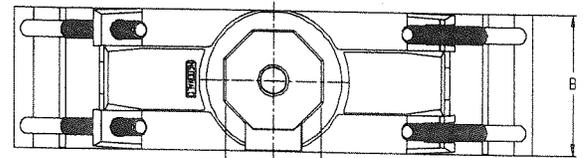
# SUBMITTAL DATA SHEET

SS Strap Saddle – 3845B

C905 PVC x AWWA/CC



MODEL	SIZE	A	B	C	D
3845B	14 X 3/4	3/4	5.00	3.46	16.30-17.25
3845B	14 X 1	1	5.00	3.46	16.30-17.25
3845B	14 X 1 1/2	1 1/2	5.00	3.46	16.30-17.25
3845B	14 X 2	2	5.00	3.46	16.30-17.25
3845B	16 X 3/4	3/4	5.00	3.46	18.50-19.25
3845B	16 X 1	1	5.00	3.46	18.50-19.25
3845B	16 X 1 1/2	1 1/2	5.00	3.46	18.50-19.25
3845B	16 X 2	2	5.00	3.46	18.50-19.25
3845B	20 X 3/4	3/4	5.00	3.46	22.50-23.50
3845B	20 X 1	1	5.00	3.46	22.50-23.50
3845B	20 X 1 1/2	1 1/2	5.00	3.46	22.50-23.50
3845B	20 X 2	2	5.00	3.46	22.50-23.50
3845B	24 X 3/4	3/4	5.00	3.46	25.60-26.50
3845B	24 X 1	1	5.00	3.46	25.60-26.50
3845B	24 X 1 1/2	1 1/2	5.00	3.46	25.60-26.50
3845B	24 X 2	2	5.00	3.46	25.60-26.50



## SUBMITTAL INFORMATION

- Manufactured in compliance with ANSI/AWWA C800 (latest revision)
- Brass components conform to ASTM B62 and ASTM B584, UNS C83600 -85-5-5-5 (latest revision)
- Certified to NSF/ANSI 61
- 304L Stainless Steel strap(s) and studs. Stainless steel nuts (PTFE coated) and washers
- EPDM o-ring
- Pipe and tap size, and thread type identified on saddle
- Outlet boss with large wrench flats
- Made in the United States of America



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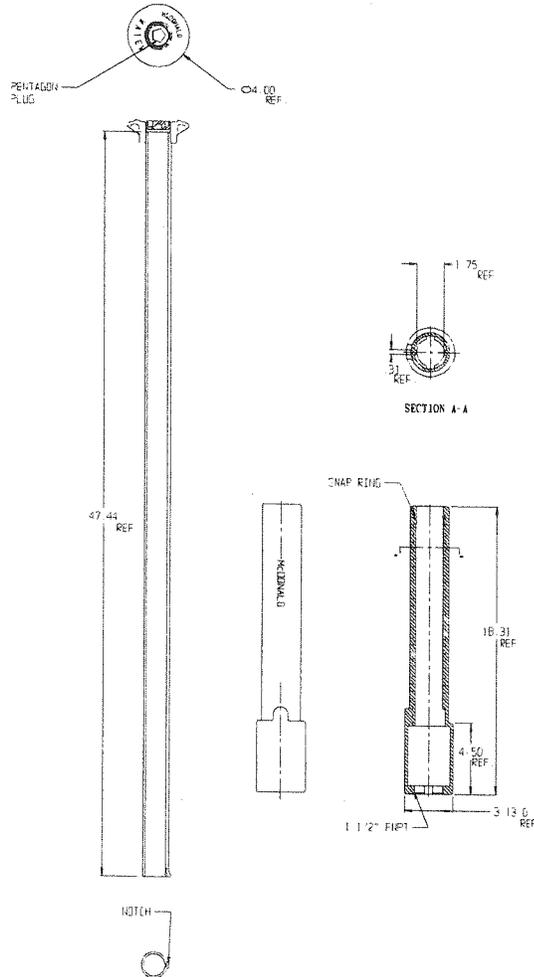
A.Y. McDonald considers the information on this assembly drawing correct when published. Item and option availability, including specifications, are subject to change without notice.

Submitted by:

# SUBMITTAL DATA SHEET

Curb Boxes - 5614 5

Minneapolis Pattern



## SUBMITTAL INFORMATION

- Brass components conform to ASTM B62 and ASTM B584, UNS C83600 -85-5-5-5 (latest revision)
- Lid and Base made of Cast Iron per ASTM A48, Class 25
- Upper Section made of steel pipe
- Coated with black dip
- Made in North America



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Submitted by:

# SUBMITTAL DATA SHEET

Service Fitting - 6136

PEP Insert Stiffener - Stainless Steel

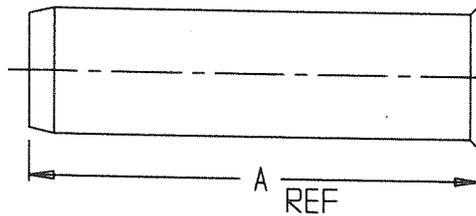
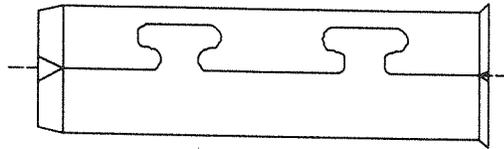


PLATE NUMBER	A
6136 3/4	2 3/8
6136 1	2 3/8
6136 1 1/4	2 3/8
6136 1 1/2	2 3/8
6136 2	2 3/8

## SUBMITTAL INFORMATION

- 300 Series Stainless Steel
- Made in the United States of America



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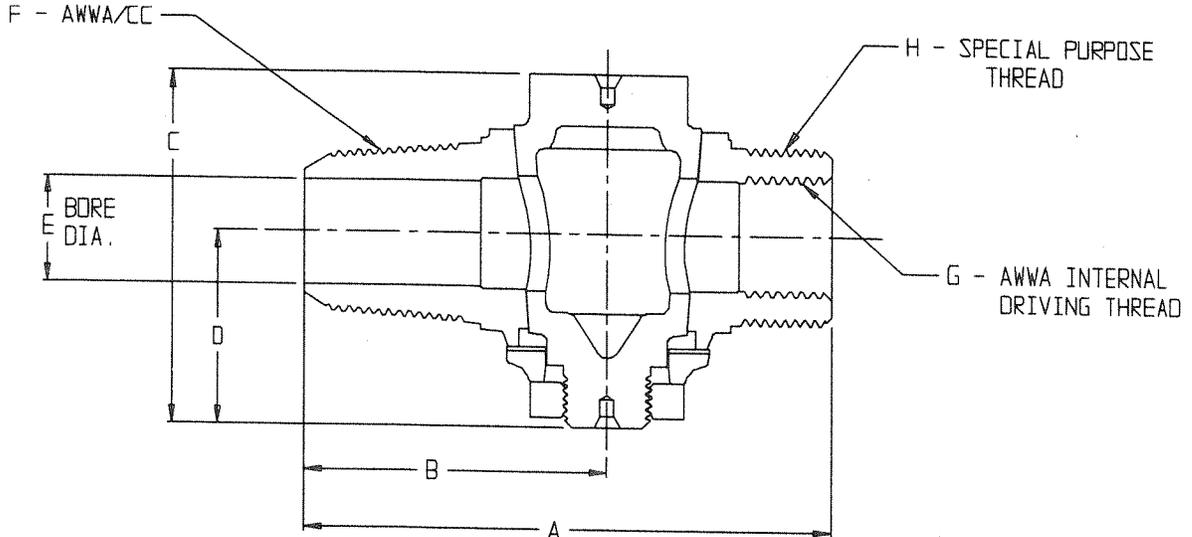
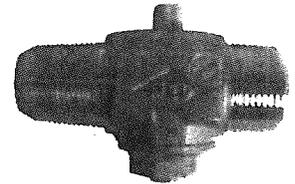
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Submitted by:

# SUBMITTAL DATA SHEET

NL Plug Style Corporation Stop - 73120

AWWA/CC x Special Purpose



- MODEL NO.	SIZE	A	B	C	D	E	F	G	H
73120	5/8	3.34	2.00	2.34	1.25	.63	5/8	5/8	5/8
73120	3/4	3.74	2.15	2.50	1.37	.75	3/4	3/4	3/4
73120	1	4.19	2.40	2.89	1.50	1.00	1	1	1 1/2

## SUBMITTAL INFORMATION

- Manufactured in compliance with ANSI/AWWA C800 (latest revision)
- Brass components in contact with potable water conform to ASTM B584, UNS C89833 (latest revision) and identified with "NL"
- Certified to NSF/ANSI 61 and NSF/ANSI 372
- Brass components not in contact with potable water conform to ASTM B62 and ASTM B584, UNS C83600 -85-5-5-5 (latest revision)
- Large wrench flats provided for proper installation
- Plug rotates 360°
- 1/2" - 1" rated for 100 PSIG water pressure
- 1 1/4" - 2" rated for 80 PSIG water pressure
- Made in the United States of America



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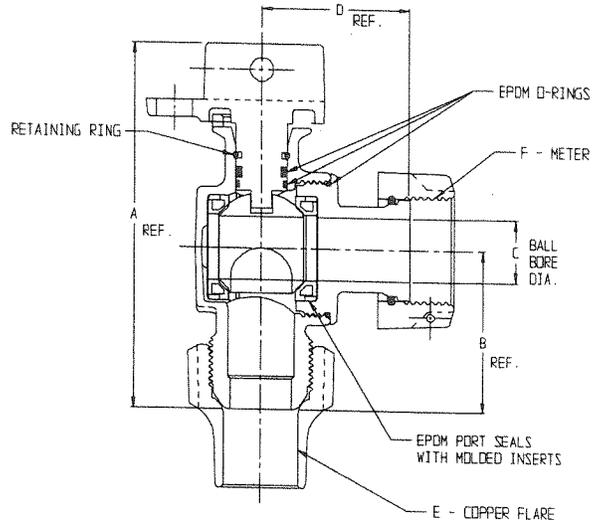
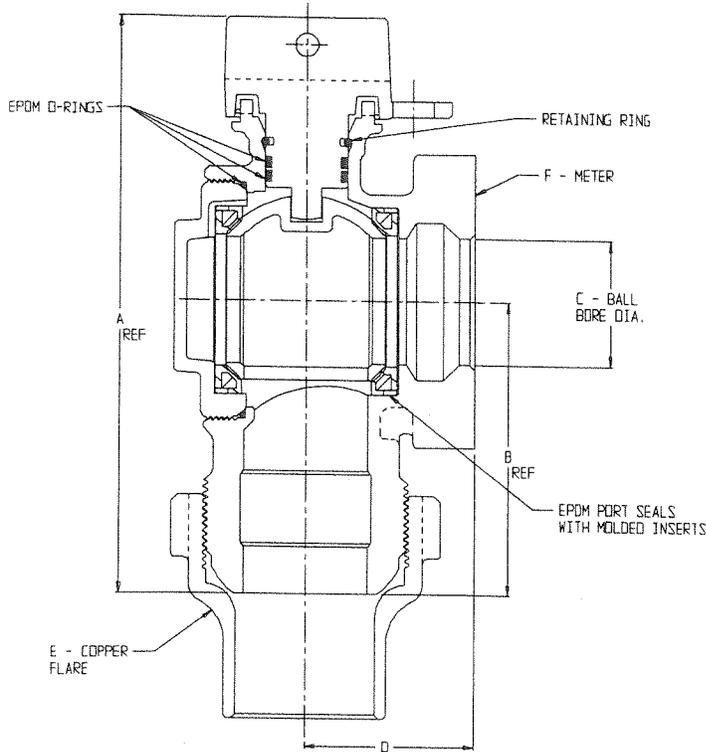
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Submitted by:

# SUBMITTAL DATA SHEET

## NL Ball Style Meter Stop – 74602B

Copper Flare x Meter



MODEL	SIZE	A	B	C	D	E	F
74602B	1 1/2	6.89	3.49	1.50	2.03	1 1/2	1 1/2
74602B	2	7.65	3.95	2.00	2.84	2	1 1/2 DR 2

MODEL NO.	SIZE	A	B	C	D	E	F
74602B	3/4 X 3/4 X 5/8	4.37	1.93	.75	1.03	3/4	5/8
74602B	1 X 3/4 X 5/8	4.83	2.39	.75	1.93	1	5/8
74602B	3/4	4.37	1.93	.75	1.78	3/4	5/8 X 3/4, 3/4
74602B	1 X 3/4 X 3/4	4.83	2.39	.75	1.78	1	5/8 X 3/4, 3/4
74602B	1	5.20	2.55	1.00	2.45	1	1

### SUBMITTAL INFORMATION

- Manufactured in compliance with ANSI/AWWA C800 (latest revision)
- Brass components in contact with potable water conform to ASTM B584, UNS C89833 (latest revision) and identified with "NL"
- Certified to NSF/ANSI 61 and NSF/ANSI 372
- Brass components not in contact with potable water conform to ASTM B62 and ASTM B584, UNS C83600 -85-5-5 (latest revision)
- PTFE coated brass ball
- Rated for 300 PSIG water pressure
- Blow out proof EPDM port seals
- End piece joint sealed with an EPDM o-ring and thread locker
- Made in the United States of America



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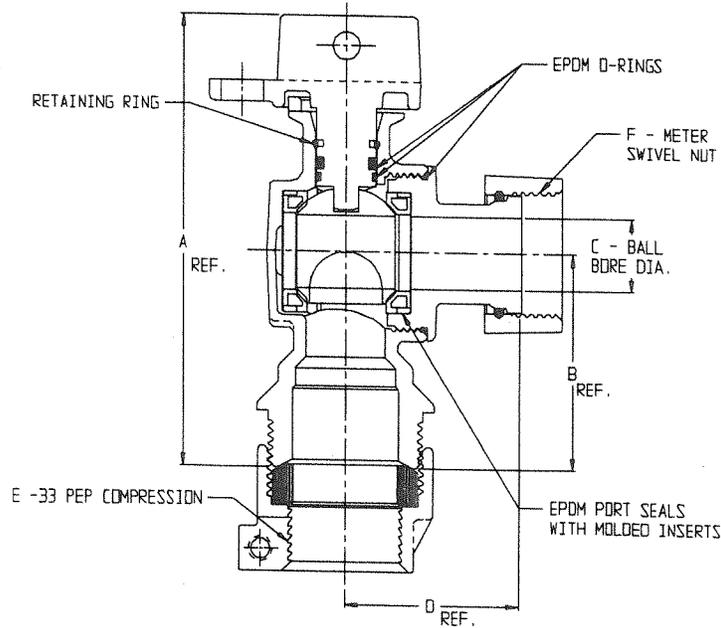
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Submitted by:

# SUBMITTAL DATA SHEET

## NL Ball Style Meter Stop - 74602B-33

-33 PEP Compression x Meter Swivel Nut



MODEL	SIZE	A	B	C	D	E	F
74602B-33	3/4	4.63	2.21	.75	1.78	3/4	5/8 X 3/4, 3/4
74602B-33	1 X 3/4 X 3/4	4.96	2.55	.75	1.78	1	5/8 X 3/4, 3/4
74602B-33	1	5.14	2.50	1.00	2.46	1	1

### SUBMITTAL INFORMATION

- Manufactured in compliance with ANSI/AWWA C800 (latest revision)
- Brass components in contact with potable water conform to ASTM B584, UNS C89833 (latest revision) and identified with "NL"
- Certified to NSF/ANSI 61 and NSF/ANSI 372
- Brass components not in contact with potable water conform to ASTM B62 and ASTM B584, UNS C83600 -85-5-5-5 (latest revision)
- PTFE coated brass ball
- Rated for 300 PSIG water pressure
- Blow out proof EPDM port seals
- End piece joint sealed with an EPDM o-ring and thread locker
- Made in the United States of America



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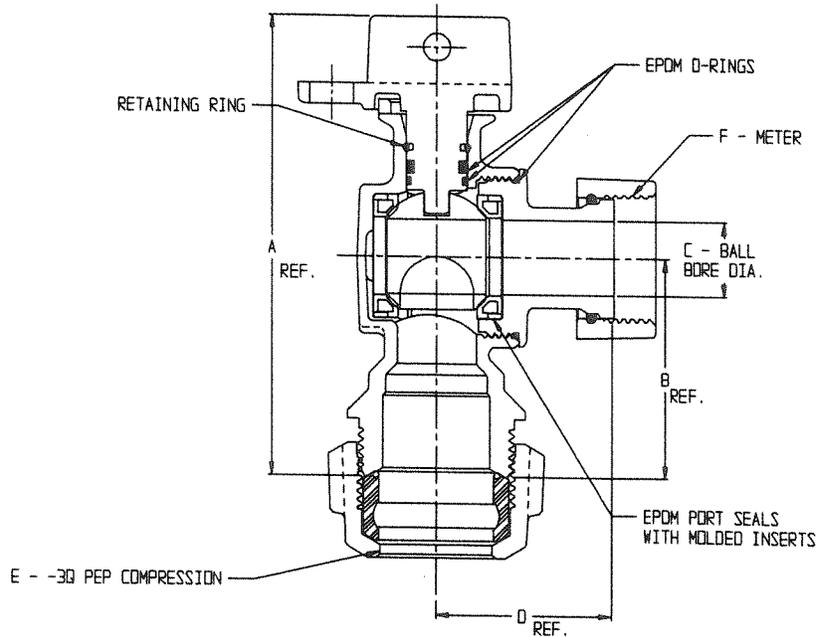
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Submitted by:

# SUBMITTAL DATA SHEET

## NL Ball Style Meter Stop – 74602B-3Q

-3Q PEP Compression x Meter Swivel Nut



MODEL	SIZE	A	B	C	D	E	F
4602B-3Q	3/4	4.63	2.21	.75	1.78	3/4	5/8 X 3/4, 3/4
4602B-3Q	1 X 3/4 X 3/4	4.96	2.55	.75	1.78	1	5/8 X 3/4, 3/4
4602B-3Q	3/4 X 1 X 1	4.89	2.25	1.00	2.46	1	1
4602B-3Q	1	5.14	2.50	1.00	2.46	1	1

### SUBMITTAL INFORMATION

- Manufactured in compliance with ANSI/AWWA C800 (latest revision)
- Brass components in contact with potable water conform to ASTM B584, UNS C89833 (latest revision) and identified with "NL"
- Certified to NSF/ANSI 61 and NSF/ANSI 372
- Brass components not in contact with potable water conform to ASTM B62 and ASTM B584, UNS C83600 -85-5-5-5 (latest revision)
- PTFE coated brass ball
- Rated for 300 PSIG water pressure
- Blow out proof EPDM port seals
- End piece joint sealed with an EPDM o-ring and thread locker
- Made in the United States of America



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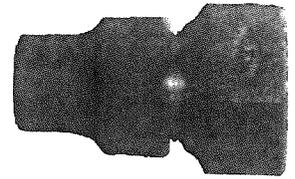
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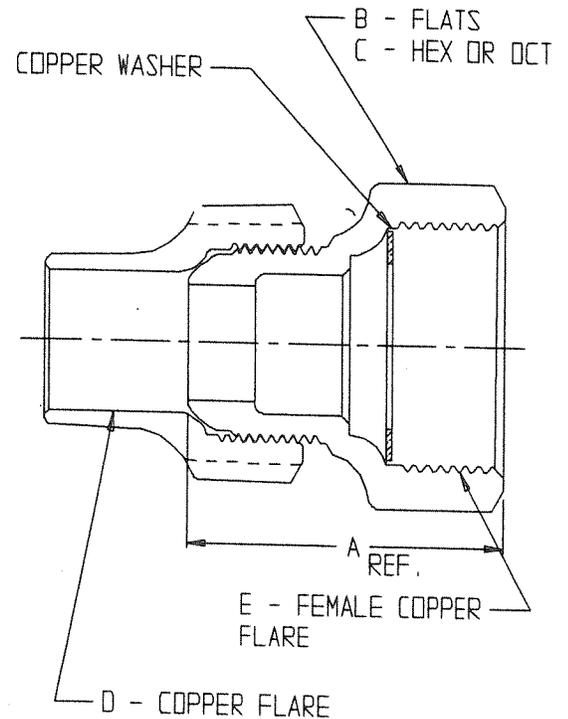
# SUBMITTAL DATA SHEET

NL Service Fitting - 74755

Copper Flare x Female Copper Flare



MODEL	SIZE	A	B	C	D	E
74755	1/2 X 3/4	1.86	1.50	OCT	1/2	3/4
74755	3/4 X 1/2	1.60	1.31	HEX	3/4	1/2
74755	3/4 X 1	2.08	1.81	HEX	3/4	1
74755	1 X 3/4	2.16	1.63	HEX	1	3/4
74755	1 X 1 1/4	2.50	2.42	OCT	1	1 1/4
74755	1 X 1 1/2	2.69	2.81	OCT	1	1 1/2
74755	1 X 2	2.98	3.56	OCT	1	2
74755	1 1/4 X 1	2.44	2.38	HEX	1 1/4	1
74755	1 1/4 X 1 1/2	2.90	2.81	OCT	1 1/4	1 1/2
74755	1 1/4 X 2	3.30	3.56	OCT	1 1/4	2
74755	1 1/2 X 2	3.29	3.56	OCT	1 1/2	2



## SUBMITTAL INFORMATION

- Manufactured in compliance with ANSI/AWWA C800 (latest revision)
- Brass components in contact with potable water conform to ASTM B584, UNS C89833 (latest revision) and identified with "NL"
- Certified to NSF/ANSI 61 and NSF/ANSI 372
- Brass components not in contact with potable water conform to ASTM B62 and ASTM B584, UNS C83600 -85-5-5-5 (latest revision)
- Large wrench flats provided for proper installation
- Made in the United States of America



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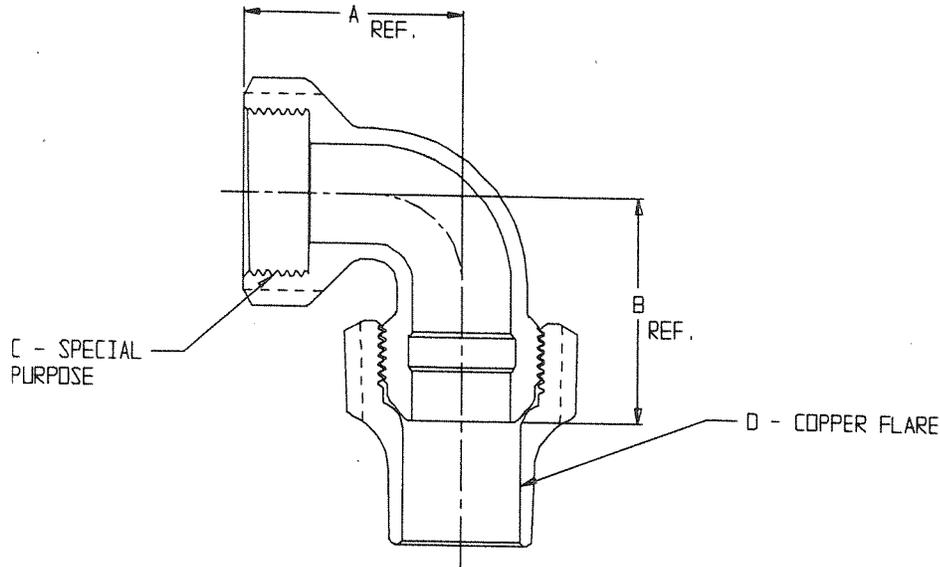
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Submitted by:

# SUBMITTAL DATA SHEET

NL Service Fitting - 74777

Special Purpose x Copper Flare



MODEL	SIZE	A	B	C	D
74777	5/8 X 3/4	1.75	1.63	5/8	3/4
74777	3/4	1.67	1.72	3/4	3/4
74777	1	2.12	2.07	1	1

## SUBMITTAL INFORMATION

- Manufactured in compliance with ANSI/AWWA C800 (latest revision)
- Brass components in contact with potable water conform to ASTM B584, UNS C89833 (latest revision) and identified with "NL"
- Certified to NSF/ANSI 61 and NSF/ANSI 372
- Brass components not in contact with potable water conform to ASTM B62 and ASTM B584, UNS C83600 -85-5-5-5 (latest revision)
- Large wrench flats provided for proper installation
- Made in the United States of America



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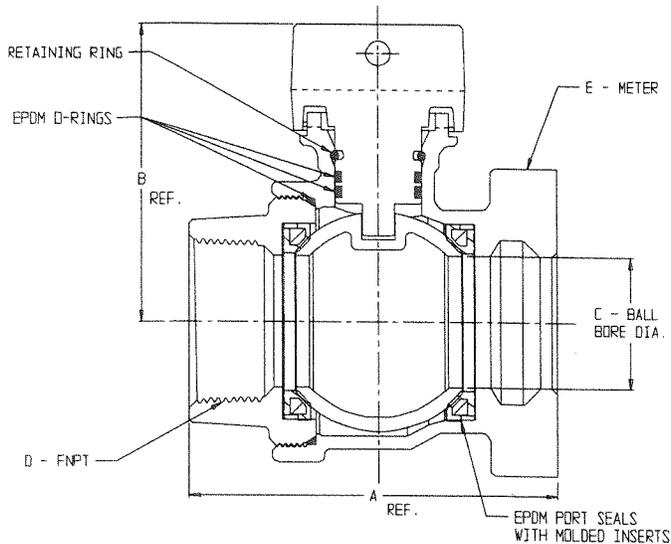
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# SUBMITTAL DATA SHEET

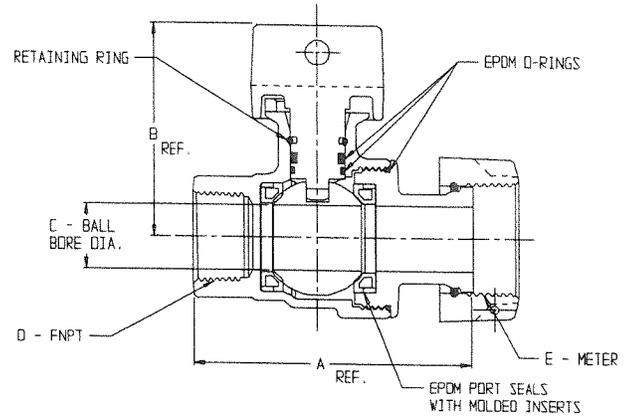
## NL Ball Style Meter Stop - 76101M

FNPT x Meter



MODEL	SIZE	A	B	C	D	E
76101M	1 1/2	4.22	3.40	1.50	1 1/2	1 1/2
76101M	2	5.36	3.71	2.00	2	1 1/2 OR 2

DRAWING MAY NOT RESEMBLE ACTUAL VALVE CONFIGURATION



MODEL	SIZE	A	B	C	D	E
76101M	3/4 X 5/8 X 5/8	3.14	2.31	.63	3/4	5/8
76101M	3/4 X 5/8 X 3/4	3.16	2.31	.63	3/4	5/8X3/4, 3/4
76101M	3/4	3.20	2.42	.75	3/4	5/8X3/4, 3/4
76101M	1 X 3/4 X 3/4	3.45	2.42	.75	1	5/8X3/4, 3/4
76101M	1	4.18	2.65	1.00	1	1

### SUBMITTAL INFORMATION

- Manufactured in compliance with ANSI/AWWA C800 (latest revision)
- Brass components in contact with potable water conform to ASTM B584, UNS C89833 (latest revision) and identified with "NL"
- Certified to NSF/ANSI 61 and NSF/ANSI 372
- Brass components not in contact with potable water conform to ASTM B62 and ASTM B584, UNS C83600 -85-5-5 (latest revision)
- PTFE coated brass ball
- Rated for 300 PSIG water pressure
- Blow out proof EPDM port seals
- End piece joint sealed with an EPDM o-ring and thread locker
- Made in the United States of America



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A.Y. McDonald considers the information on this assembly drawing correct when published. Item and option availability, including specifications, are subject to change without notice.

Submitted by:

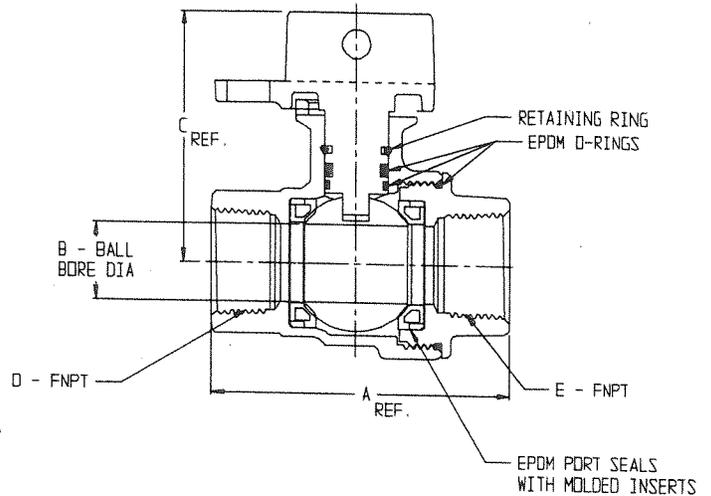
# SUBMITTAL DATA SHEET

## NL Ball Style Curb Stop - 76101W

FNPT x FNPT



MODEL	SIZE	A	B	C	D	E
76101W	1/2 X 5/8 X 1/2	2.88	.63	2.31	1/2	1/2
76101W	3/4 X 5/8 X 3/4	2.81	.63	2.31	3/4	3/4
76101W	3/4 X 5/8 X 3/4 X 2.94	2.94	.63	2.31	3/4	3/4
76101W	3/4 X 5/8 X 3/4 X 3.19	3.19	.63	2.31	3/4	3/4
76101W	3/4 X 5/8 X 3/4 X 3.38	3.38	.63	2.31	3/4	3/4
76101W	3/4 X 5/8 X 3/4 X 3.50	3.50	.63	2.31	3/4	3/4
76101W	3/4 X 5/8 X 3/4 X 3.75	3.75	.63	2.31	3/4	3/4
76101W	3/4	2.94	.75	2.39	3/4	3/4
76101W	3/4 X 3.75	3.75	.75	2.44	3/4	3/4
76101W	1 X 3/4 X 3/4	3.09	.75	2.39	1	3/4
76101W	1 X 3/4 X 1	3.32	.75	2.39	1	1
76101W	1	3.47	1.00	2.65	1	1
76101W	1 X 4.50	4.50	1.00	2.65	1	1
76101W	1 1/4 X 1 X 1	3.61	1.00	2.65	1 1/4	1
76101W	1 1/4 X 1 X 1 1/4	4.31	1.00	2.65	1 1/4	1 1/4
76101W	1 1/4 X 1 1/2 X 1 1/4	4.05	1.50	3.39	1 1/4	1 1/4
76101W	1 1/2	4.29	1.50	3.39	1 1/2	1 1/2
76101W	2	5.07	2.00	3.67	2	2
76101W	2 1/2 X 2 X 2 1/2	8.85	2.00	3.71	2 1/2	2 1/2



### SUBMITTAL INFORMATION

- Manufactured in compliance with ANSI/AWWA C800 (latest revision)
- Brass components in contact with potable water conform to ASTM B584, UNS C89833 (latest revision) and identified with "NL"
- Certified to NSF/ANSI 61 and NSF/ANSI 372
- Brass components not in contact with potable water conform to ASTM B62 and ASTM B584, UNS C83600 -85-5-5 (latest revision)
- PTFE coated brass ball
- Rated for 300 PSIG water pressure
- Blow out proof EPDM port seals
- End piece joint sealed with an EPDM o-ring and thread locker
- Made in the United States of America



A.Y. McDonald Mfg. Co.  
P.O. Box 508  
Dubuque, IA 52004-508

Toll Free: 1-800-292-2737  
Fax: 1-800-832-9296  
Hours: 7:00 a.m. - 5:00 p.m., CST

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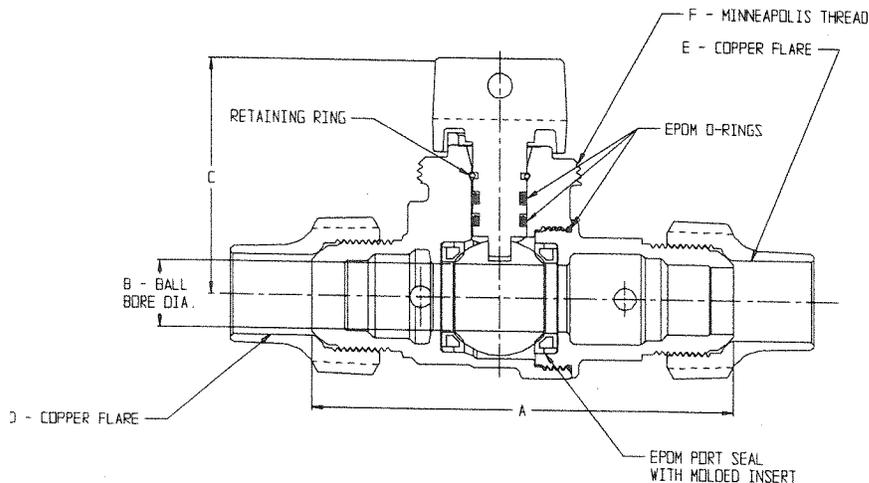
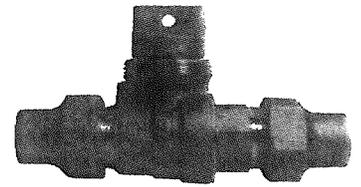
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# SUBMITTAL DATA SHEET

NL Ball Style Curb Stop – 76104

Copper Flare x Copper Flare



MODEL	SIZE	A	B	C	D	E	F
76104	3/4	4.81	.75	2.68	3/4	3/4	1 1/2
76104	1 X 3/4 X 3/4	4.92	.75	2.68	1	3/4	1 1/2
76104	1 X 3/4 X 1	4.86	.75	2.68	1	1	1 1/2
76104	1	5.48	1.00	2.65	1	1	1 1/2
76104	1 1/4 X 1 X 1	5.75	1.00	2.65	1 1/4	1	1 1/2
76104	1 1/4 X 1 X 1 1/4	6.34	1.00	2.65	1 1/4	1/4	1 1/2
76104	1 1/2	6.84	1.50	3.41	1 1/2	1/2	2
76104	2	8.76	2.00	3.67	2	2	2

## SUBMITTAL INFORMATION

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- Certified to NSF/ANSI 61 and NSF/ANSI 372
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- PTFE coated brass ball
- Rated for 300 PSIG water pressure
- Blow out proof EPDM port seals
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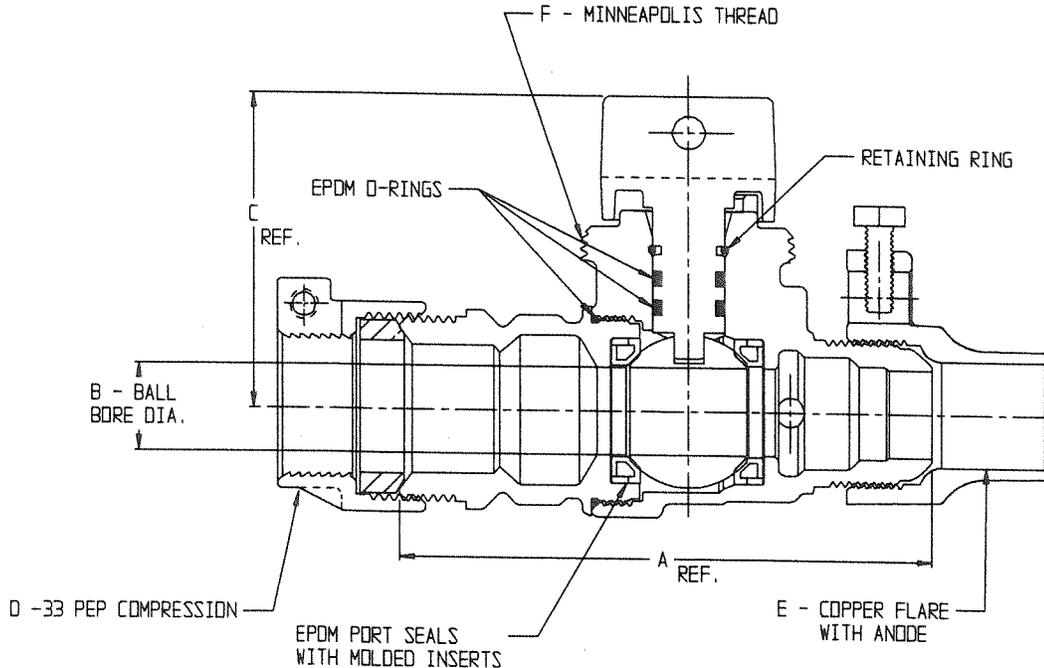
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Submitted by:

# SUBMITTAL DATA SHEET

NL Ball Style Curb Stop - 76108-33-A

-33 PEP Compression x Copper Flare Anode Nut



DRAWING MAY NOT RESEMBLE ACTUAL VALVE CONFIGURATION

MODEL NO.	SIZE	A	B	C	D	E	F
6108-33-A	3/4	4.62	.75	2.70	3/4	3/4	1 1/2
6108-33-A	1	5.07	1.00	2.65	1	1	1 1/2

## SUBMITTAL INFORMATION

- Manufactured in compliance with ANSI/AWWA C800 (latest revision)
- Brass components in contact with potable water conform to ASTM B584, UNS C89833 (latest revision) and identified with "NL"
- Certified to NSF/ANSI 61 and NSF/ANSI 372
- Brass components not in contact with potable water conform to ASTM B62 and ASTM B584, UNS C83600 -85-5-5-5 (latest revision)
- PTFE coated brass ball
- Rated for 300 PSIG water pressure
- Blow out proof EPDM port seals
- End piece joint sealed with an EPDM o-ring and thread locker
- Made in the United States of America



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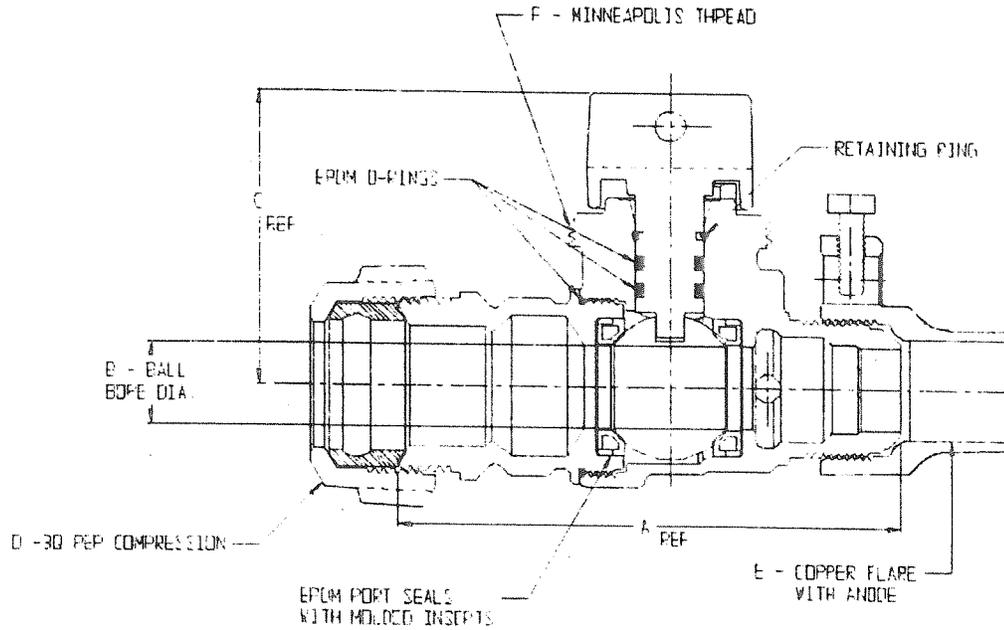
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Submitted by:

# SUBMITTAL DATA SHEET

NL Ball Style Curb Stop - 76108-3Q-A

-3Q PEP Compression x Copper Flare Anode Nut



DRAWING MAY NOT REPRESENT ACTUAL VALVE CONFIGURATION

MODEL NO	SIZE	A	B	C	D	E	F
76108-3Q-A	3/4	4.62	.75	2.70	3/4	3/4	1 1/2
76108-3Q-A	1	5.07	1.00	2.65	1	1	1 1/2

## SUBMITTAL INFORMATION

- Manufactured in compliance with ANSI/AWWA C800 (latest revision)
- Brass components in contact with potable water conform to ASTM B584, UNS C89833 (latest revision) and identified with "NL"
- Certified to NSF/ANSI 61 and NSF/ANSI 372
- Brass components not in contact with potable water conform to ASTM B62 and ASTM B584, UNS C83600 -85-5-5-5 (latest revision)
- PTFE coated brass ball
- Rated for 300 PSIG water pressure
- Blow out proof EPDM port seals
- End piece joint sealed with an EPDM o-ring and thread locker
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Submitted by:

**SPECIFICATIONS  
FOR  
LEAD FREE WATER SERVICE VALVES AND FITTINGS  
(LINCOLN WATER SYSTEM)**

**1. GENERAL INFORMATION**

- 1.1. These specifications apply to valves, fittings, and tap corporations herein referred to as “valves and fittings” for the installation of customer water services.
- 1.2. Material specified herein shall meet the following requirements and comply with Federal Public Law 11-380 as specified below and as referred to as lead free brass.
  - 1.2.1. Any brass part in contact with potable water shall be “no-lead” brass alloy in accordance to UNS Copper Alloy No. C89520 or C89833 and comply with the chemical and mechanical requirements of ASTM B584 and AWWA C-800.
  - 1.2.2. No-lead brass alloy shall contain no more than nine one hundredths of one percent (0.09% or less) total lead content by weight.
  - 1.2.3. Any brass part not in contact with potable water shall be made of 85-5-5-5 brass as defined for this specification as UNS Copper Alloy C83600 per ASTM B62, Standard Specification for Composition Bronze or Ounce Metal Casting, ASTM B584 and AWWA C-800.
  - 1.2.4. All brass fittings and valves shall be certified by an ANSI accredited test lab per ANSI/NSF Standard 61, Drinking Water Components – Health Effects, Section 8. Proof of certification is required. The lead content of the wetted components in contact with potable water shall also be verified by an ANSI accredited test lab.
  - 1.2.5. Brass fittings and valves shall comply with the United States Of America Safe Drinking Water Act, and the U.S. Environmental Protection Agency.
- 1.3. It is the intent to award bid to a single bidder for all brass service fittings and accessories except that tap saddles may be awarded to a separate bidder.
- 1.4. Bidder shall submit bid documents and all supporting material via e-bid.
- 1.5. All inquiries regarding these specifications shall be directed via e-mail or faxed written request to Sharon Mulder, Asst. Purchasing Agent ([smulder@lincoln.ne.gov](mailto:smulder@lincoln.ne.gov)) or fax: 402-441-6513.
  - 1.5.1. These inquiries and/or responses shall be distributed to prospective bidders electronically as an addenda.
  - 1.5.2. The Purchasing Office shall only reply to written inquiries received within five (5) calendar days of bid opening.
  - 1.5.3. No direct contact is allowed between Vendor and other City staff throughout the bid process.
    - 1.5.3.1. Failure to comply with this directive may result in Vendor bid being rejected.

**2. BRAND NAMES**

- 2.1. In an effort to minimize inventory of parts and to standardize materials, the Lincoln Water System desires to purchase all specified valves and fittings from one manufacturer.
- 2.2. Brand names are shown to provide an example of the acceptable valves and fitting configurations.
- 2.3. Valves and fittings that are equal to the named manufacturers and models with respect to materials, construction and configurations shall be given every consideration in the award of bids.
- 2.4. Named manufacturers and models shall be acceptable only to the extent that products meet the stated technical specifications.

**3. DEMONSTRATIONS/SAMPLES**

- 3.1. Samples of alternates shall be tested and approved by the Lincoln Water System, one (1) year in advance of bidding.
  - 3.1.1. Samples approved for use within the Lincoln Water System will be included in the list of acceptable material for subsequent Notice to Bidders.
  - 3.1.2. The approval of material for use within Lincoln Water System is vested solely with the City of Lincoln.
  - 3.1.3. All samples shall be delivered to:
    - Lincoln Water System
    - Distribution Shop
    - 2021 North 27th St.
    - Lincoln, Nebraska 68503

**4. DELIVERY**

- 4.1. Unit bid prices shall include all delivery costs, including shipper's charges and unloading time, to the following delivery address:
  - Lincoln Water System
  - Distribution Shop
  - 2021 North 27th Street
  - Lincoln, Nebraska 68503
- 4.2. Deliveries shall be made between the hours of 8:00 a.m. and 4:00 p.m. on normal City of Lincoln workdays.

**5. TERM OF AGREEMENT**

Term of Agreement shall begin upon contract execution, with option to renew for three (3) additional one-year terms.

**6. ACCEPTANCE OF MATERIAL**

- 6.1. Orders will normally be made on standard purchase orders issued by the Purchasing Agent.
  - 6.1.1. Orders may be placed by telephone directly by the Lincoln Water System.
  - 6.1.2. In any event, all orders will be assigned an order number.
- 6.2. All correspondence, including acknowledgment of receipt of order, packing lists and invoices, shall carry the order number assigned by the City of Lincoln.
- 6.3. Contractor shall group materials on his invoices as they are grouped on the City of Lincoln's order.
- 6.4. Contractor shall furnish to the City of Lincoln affidavits from the manufacturer(s) of the material that all material supplied fully conforms to ASTM B62, AWWA C800 and these material specifications, and that all test requirements have been met.

**7. CORPORATION STOPS**

- 7.1. Named brand and model: A. Y. McDonald 3120 (NL).
- 7.2. Corporation stops shall be of the ground key variety.
- 7.3. Plug style valve with flat type handle operated with hand wrench and designed to provide positive shut-off and reliable service.
- 7.4. Corporation stops shall have the following end connections:
  - 7.4.1. Inlet shall be tapered AWWA thread dimensions in accordance to AWWA C800.
  - 7.4.2. The inlet end of the corporation stop shall be compatible with the drill sizes specified in Table 1 of AWWA C800 (commonly called the Mueller thread).
  - 7.4.3. Outlet external thread shall be special purpose threads in accordance with Table 6 of AWWA C800.
  - 7.4.4. Outlet internal driving threads shall be in accordance to Table 9 of AWWA C800 and be compatible with all Mueller type tapping machines.

**8. QUARTER BEND CORPORATION STOP COUPLINGS**

- 8.1. Named brand and model: A. Y. McDonald 4777 (NL).
- 8.2. Corporation stop couplings shall have threaded, female inlet with special purpose threads compatible with specified corporation.
- 8.3. The outlet shall have a flared copper connection compatible with female copper flared connection threads.
- 8.4. A fiber material washer shall be supplied for use on the inlet connection.

**9. CURB SERVICE STOPS**

- 9.1. Named brand and model: A. Y. McDonald 6104 (NL), 6108-33-A (NL), 6108-3Q-A (NL).
- 9.2. Curb service stops shall have a straight through, full-round way flow path and shall be oriseal or ball type.
- 9.3. Curb service stops shall be non-directional.
- 9.4. Curb service stops shall be Minneapolis pattern for attachment of curb stop.
- 9.5. Curb service stops shall be ball valve design to provide positive shut-off with minimal torque applied to the operating stem, even after many years of buried service.
  - 9.5.1. Balls shall be fabricated from brass with a Teflon coating and rubber or plastic seats or sealing rings or similar provisions designed to assure positive shut off and reliable service.
  - 9.5.2. Balls may also be fabricated from a suitable plastic designed to provide continued trouble-free operation.
  - 9.5.3. Right turn, clockwise to off position.
  - 9.5.4. Quarter-turn shut off.
  - 9.5.5. A permanent watertight seal shall be provided for the operating stem or plug.
  - 9.5.6. A tee-head shall be provided to operate the curb service stop.
- 9.6. Curb service stops shall be supplied with end connections as specified in the Proposal Form with the following configurations.
  - 9.6.1. Both ends flared copper connector complete with nut.
  - 9.6.2. One end compression for polyethylene tubing with external screw clamp to prevent pull-out and other end flared copper service connection complete with tracer wire nut on flare end.
  - 9.6.3. One end compression for polyethylene tubing with internal clamp to prevent pull-out and other end flared copper service connection complete with tracer wire nut on flare end.
- 9.7. Both ends shall be supplied complete to make the connection.

**10. CURB BOXES**

- 10.1. Named brand and model: A. Y. McDonald 5614.
- 10.2. Curb boxes shall be cast-iron Minneapolis pattern type with one and one-fourth (1 1/4) inches diameter upper section and one and one-half (1 1/2) inches diameter threaded lower section with brass pentagon plug in lid.
- 10.3. Lengths of curb boxes supplied shall be as shown on proposal form.

**11. STRAIGHT SERVICE VALVES**

- 11.1. Named brand and model: A. Y. McDonald 6101M (NL).
- 11.2. Straight service valves shall be ball type with a straight through, full-round flow path.
- 11.3. Straight service valves shall be ball valve design to provide positive shut-off with minimal torque applied to the operating stem even after many years of service.
  - 11.3.1. Balls shall be fabricated from brass and Teflon coated with rubber or plastic seats or sealing rings or similar provisions designed to assure reliable service.
  - 11.3.2. A permanent watertight seal shall be provided for operating stem.

- 11.3.3. A tee-head shall be provided to operate the valve.
- 11.4. Straight service valves with nominal diameters of 3/4 inch and 1 inch shall have one swivel meter coupling nut (supplied without gasket) and one female national pipe thread connection.
- 11.5. Straight service valves with a nominal diameter of 1 1/2 inch and 2" inch shall have one meter flange end connection and one female national pipe thread end connection (supplied with gasket).

**12. ANGLE METER VALVES**

- 12.1. Named brand and model: A. Y. McDonald 4602B (NL), 4602B-33 (NL), 4602B-3Q (NL).
- 12.2. Angle meter valves with nominal diameters of 3/4 inch and 1 inch ball type with a full-round flow path.
- 12.3. Angle meter valves shall be designed to provide positive shut-off with minimal torque applied to the operating stem, even after many years of service.
  - 12.3.1. Balls shall be fabricated from Copper Alloy No. 836 and provided with a Teflon coating, rubber or plastic seats or sealing rings or similar provisions designed to assure reliable service.
  - 12.3.2. A permanent watertight seal shall be provided for the operating stem.
  - 12.3.3. A tee-head shall be provided to operate the valve.
- 12.4. Three types of inlet connections are specified.
  - 12.4.1. Flared copper service tubing connector complete with nut.
  - 12.4.2. Compression connector for polyethylene tubing with screw clamp to prevent pull-out.
  - 12.4.3. Compression connector for polyethylene tubing with internal clamp to prevent pull-out and other end flared copper service connection complete with tracer wire nut on flare end.
- 12.5. The outlet connection shall be a swivel meter nut (supplied without gasket) of the same nominal diameter as the valve.

**13. BYPASS VALVES**

- 13.1. Named brand and model: A. Y. McDonald 6101W (NL).
- 13.2. Bypass service valves shall be ball type with a straight through, full-round flow path.
- 13.3. Bypass service valves shall be ball valve design to provide positive shut-off with minimal torque applied to the operating stem even after many years of service.
  - 13.3.1. Balls shall be fabricated from brass and Teflon coated with rubber or plastic seats or sealing rings or similar provisions designed to assure reliable service.
  - 13.3.2. A permanent watertight seal shall be provided for operating stem.
  - 13.3.3. A tee-head shall be provided to operate the valve.
- 13.4. Bypass service valves with a nominal diameter of 1-1/2 inch and 2" inch shall have female national pipe thread end connections on both inlet and outlet side.

**14. MISCELLANCE SERVICE FITTINGS**

- 14.1. Flare Outlet Couplings:
  - 14.1.1. Named brand and model: A. Y. McDonald 4754 (NL).
  - 14.1.2. Couplings shall be used to reduce from 1 inch quarter bend outlet to 3/4 inch flared copper connection when using 1 inch outlet tap saddles.
  - 14.1.3. Couplings shall be attached to outlet of quarter bend and compatible with female copper flared connection threads.
  - 14.1.4. Coupling shall include copper gasket.
- 14.2. Compression Fitting Insert Stiffeners:
  - 14.2.1. Named brand and model: A. Y. McDonald 6136.
  - 14.2.2. Used for 3/4 inch and 1 inch compression fittings.
  - 14.2.3. Stainless steel construction.
  - 14.2.4. Length sized so that end of stiffener does not extend beyond compression nut to

prevent cutting and damage of tubing.

**15. TAP SADDLES**

- 15.1. Named brand and model: A. Y. McDonald 3845.
- 15.2. Saddles shall be used on 12 inch and 16 inch C900 or C905 PVC pipe.
  - 15.2.1. 12 inch pipe has DR of 14
  - 15.2.2. 16 inch pipe has DR of 18
- 15.3. Saddles shall be two piece using a brass top and single 18-8 stainless steel band and fasteners for attachment to pipe.
- 15.4. Minimum width of band shall be 3-1/4 inch.
- 15.5. Stud, lug and nuts shall be 18-8 stainless steel.
- 15.6. Threads on stud shall have anti-gall coating.
- 15.7. Washers shall be of a self-lubricating material to prevent galling.
- 15.8. EPDM sealing ring.
- 15.9. Brass surfaces in contact with potable water shall be in compliance Section 1.2 of these Specifications, unless specifically exempt by State and Federal requirements.
- 15.10. Saddle designed to withstand a working pressure of 150 psi.
- 15.11. The tapped outlet shall be one (1) inch AWWA thread pattern.