	Sum of Val/COArea Crcy 1,144.1
<b>90386380</b> Labor	630.9
Labor Overhead	273.5
Materials & Supplies	239.7
90395253	1,178.7
Labor	657.2
Labor Overhead	277.2
Materials & Supplies	244.2
• • •	
90396710	1,123.6
Labor	635.8 272.7
Labor Overhead	=:=::
Materials & Supplies	215.0
90402274	1,160.5
Labor	640.6
Labor Overhead	291.4
Materials & Supplies	228.4
90405704	1,034.6
Labor	630.9
Labor Overhead	270.2
Materials & Supplies	133.4
90409034	849.1
Labor	449.3
Labor Overhead	213.5
Materials & Supplies	186.2
90410339	1,201.1
Labor	578.3
Labor Overhead	256.9
Materials & Supplies	365.8
90412141	1,016.3
Labor	630.9
Labor Overhead	261.1
Materials & Supplies	124.1
90417025	869.8
Labor	473.2
Labor Overhead	178.1
Materials & Supplies	218.4
90422117	796.6
Labor	374.6
Labor Overhead	181.8
Materials & Supplies	240.0
90425050	1,153.4
10425050 Labor	630.9
Labor Overhead	
	265.3
Materials & Supplies	257.1
90425051	1,056.3
Labor	630.9
Labor Overhead	262.6
	162.7
Materials & Supplies	096.4
90428617	986.4
<b>90428617</b> Labor	420.6
90428617 Labor Labor Overhead	420.6 163.5
<b>90428617</b> Labor	420.6 163.5 402.2
90428617 Labor Labor Overhead	420.6 163.5
90428617 Labor Labor Overhead Materials & Supplies	420.6 163.5 402.2

## MAWC southwest MO locations

# ST. JOSEPH NORTHWEST OPERATIONS

# Statement 1030

PO# 5000074747



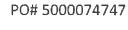
May 2017

Missouri American Water Company P.O. Box 5605 Cherry Hill, NJ 08034

#### Vendor # 120765

Address and Description of Work		Amount
2627 Delaware - 3/4 " Short Side Complete Replacement Service		\$ 4,440.00
2834 Doniphan - 3/4" Lon Side Complete Replacement Service		\$ 4,307.05
1218 North 26th Street- 3/4" Long Side Complete Replacement Service		\$ 5,102.69
914 Main - 3/4" Long Side Complete Replacement Service		\$ 3,618.00
721 North 4th Street - 3/4" Long Side Replacement Service		\$ 2,650.00
722 Mount Mora - 3/4" Long Side Complete Replacement Service		\$ 6,860.00
427 North 21st Street - 3/4" Long Side Complete Replacement Service		\$ 5,158.25
Paving: \$1500.00		
Material: \$3963.23	- 17	
abor: \$26672.76		
www.mconunderground.com	Subtotal	32135.9
Thank you for your business!	Tax	0.00
	Total Due	\$32,135.99

## Statement 1024



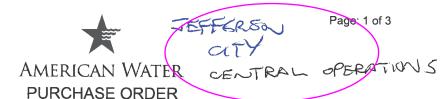


April 2017 Missouri American Water Company P.O. Box 5605 Cherry Hill, NJ 08034

Vendor # 120765

tamm	v.gleaves@am	water.com
Address and Description of Work		Amount
3215 Penn - Replace 5/8" Setter, Replace 21" Meter Tife, ring and lid		\$ 1,950.00
1002 North 4th Street - Replace 5/8" Setter, Replace Meter tile, ring and lid		\$ 1,950.00
2722 South 19th Street - Complete Replacement Service	301 3	\$ 4,259.99
2226 Seneca - Complete Replacement Service		\$ 4,956.18
	4/	
	1	
	344-4	
	1 7	
Material: \$1429.79		
abor: \$11186.38		
Paving: \$500.00	2 7	
www.mconunderground.com	Subtotal	13116.17
Thank you for your business!	Тах	0.00
	Total Due	\$ 13,116.17

Address	To	tal Cost	Con	tract Side	Cust	omer Side
2627 Delaware Street	\$	4,440.00	\$	1,900.00	\$	2,540.00
2834 Doniphan Street	\$	4,307.05	\$	2,450.00	\$	1,857.05
1218 North 26th Street	\$	5,102.69	\$	2,450.00	\$	2,652.69
914 Main Street	\$	3,618.00	\$	2,450.00	\$	1,168.00
722 Mount Mora	\$	6,860.00	\$	2,450.00	\$	4,410.00
427 North 21st Street	\$	5,158.25	\$	2,450.00	\$	2,708.25
2722 South 19th Street	\$	4,259.99	\$	2,100.00	\$	2,159.99
2226 Seneca Street	\$	4,956.18	\$	2,100.00	\$	2,856.18
			1			
			).		<del></del>	



**BILL TO:** 

**VENDOR #:** 

Missouri American Water P.O. Box 5605

101065

2021 Idlewood Rd

P.O. Number: Date:

5000077193 05/31/2017

Cherry Hill, NJ 08034 866.777.8426 (opt 3,2,1)

REQUESTOR:

Jacobi Robin

573-473-7840

Robin.Jacobi@amwater.com

SHIP-TO:

Jefferson City Dist

221 Brooks St

Jefferson City, MO 65109-1310

**TERMS:** 

Terms of payment: Net 45 Days

Jefferson City, MO 65109-2163

STOCKMAN CONSTRUCTION CORP

Item Part No. Description Vendor Mat. No. Quantity Unit Unit Price Item Total 00010 526 E Capitol Ave 1 1 AU \$ 2,545.10 \$ 2,545.10

**DELIVERY QUANTITY: 1 Activ.unit** 

REQUESTED DELIVERY DATE: 05/31/2017

Total net value excluding tax USD

\$ 2,545.10

SPECIAL INSTRUCTIONS:

1. CONTACT THE AMERICAN WATER REQUESTOR IF DELIVERY WILL NOT BE COMPLETED BY THE REQUESTED DELIVERY DATE

2. AN ORDER ACKNOWLEDGEMENT IS TO BE SENT TO THE REQUESTOR LISTED ABOVE

3. INVOICE(S) MUST SHOW [P.O. NUMBER] AND BE SUBMITTED IN ACCORDANCE WITH THE VENDORS AGREEMENT

4. SHOW P.O. NUMBER AND APPLICABLE ITEM NUMBER(S) ON PACKAGES, INVOICES, PACKING LISTS, BILLS OF LADING AND ORDER ACKNOWLEDGEMENTS

M&M Trenching & Excavating

P.O. Box 156 MO 65265 MEXICA CENTRAL OPERATIONS

Invoice

Date

Invoice #

3/20/2017

9608

PO # 5000067584

Bill To

Missouri American Water 506 S. Western Mexico, MO 65265 Job Address

422 W Vine Mexico, MO 73

931024

Jodi.Johnson@amwater.com

	Date Completed		Leak R	eport No.
	3/16/2017		8	684/8632
Description	Qty	Rate	Standard Pricing	Amount
Replace lead service line			-	
Replace Long 3/4" service line Replace Single 3/4" meter setting	I I		1084.00 562.00	0.00 0.00
Hrs. Backhoe Hrs. Service Truck Generator w/ Tools and/or Lights Hrs. Labor Supervisor Horizontal Boring	6 6 6 12 6 50	68.50 25.00 35.00 35.00 40.00 5.00		411.00 150.00 210.00 420.00 240.00 250.00
Ft. of 3/4" copper pipe Ft. of tracer wire 3/4 Corp nut w/ gasket 3/4" Stiffner	4 50 i 3	7.90 0.25 10.55 2.50	DOC#50004	1,681.00 31.60T
Return to level, seed, & straw Labor Rate Parts Rate Sales Tax	1	85.00 0.00 0.00 8.60%	1766.00 ZU 62.15 -10	62.15 85.00 0.00 0.00 5.34

WES : RI7-10HI.17-P-0001

DD: #5000665117/

PK3-27-17

**Total** 

\$1,833.49

M&M Trenching & Excavating

P.O. Box 156 MO 65265 MEXICO

Invoice

Date

Invoice #

3/20/2017

9605

Bill To

Missouri American Water 506 S. Western Mexico, MO 65265 Job Address

1002 Emmons Mexico, MO 946761

Jodi.Johnson@amwater.com

Date Completed

Po# 5000067584

Leak Report No.

3/16/2017

8659/8632

	5)10/2017		80	128/8635
Description	Qty	Rate	Standard Pricing	Amount
Replace lead service				
Replace Short 3/4" Service Replace Single 3/4" meter setting	1		477.00	0.00
Hrs. Service Truck	1	25.00	562.00	0.00
Hrs. Backhoe	4	68.50		100.00 274.00
Generator w/ Tools and/or Lights	4	35.00		140.00
Hrs. Labor	8	35,00		280.00
Supervisor	4	40.00		160.00
Ft. of 3/4" copper pipe	I	7.90	Docksooder	/.201
Return to level, seed, & straw Labor Rate Parts Rate	1	85.00 0.00	1039.00 720	7.90 85.00 0.00
Sales Tax		0.00	7.90	0.00
	, Jei	8.60%	Doc# 500019	247/
			10001633	60

WBS! PIT-10HI.17-P-0001 G/L.53150000

DK 1.30.1)

Total

\$1,047.58



ST. LOUIS
OPERATIONS
INVOICE NO. 3172181

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Walinca Terrace PO#: 5000073404 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTAL ~ COMMERCIAL ~ DESIGNBUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGI
MAWC		MAWC	173023	net due upon receipt	5/25/17	1
QUANTITY		DESCRIPTION	A STATE OF THE STA	UNIT PRI	GE AI	TNUON
	144 Carswold					
(	144 Carswold					
-	To furnish labor and ma	terial to replace lead water se	ervice to house.			
1		1" Flared Angle Stop			.56	53.5
2		1" Copper M - FIP Ada			.95	27.9
1		1" Copper Reducing Te			.47	20.4
1		1/2" Boiler Drain / Hos		11	.11	11.1
1	•	1" Watts Pressure Red	ucing	404	05	404.0
_		Valve / AUB - LF		181	.95	181.9
2	2	1" Copper Fittings		4	.93	9.86
3	•	(90-45-Couplings) 1" Copper Fittings		4	.93	9.0
_	)	(St. 90 - St. 45)		17	.08	51.2
2	•	Universal Slider Bracke	ate		.40	14.8
1		1" Copper Reducer / B			.67	6.6
15		1-1/2" Copper Fittings		ŭ	.07	0.0.
	•	(St. 90 - St. 45)		26	.33	394.9
1		1/2" Brass Cap			.14	3.1
1		Brass Nipple 1/2x4"		16	.58	16.5
1		Usage Of String Solder	· &		- (10	
		Paste		5	.51	5.5
2	2	B-Tank (Usage)			.51	11.0
1		1" Flared Tee Head			.58	89.5
1		3/4" Meter Yoke		114		114.8
1		Fibre Meter Box			.25	96.2
1	L	Meter Cover or Lid		50	.46	50.4
	-			SALE AMOUNT		
. (	You From Business	Visit us at our website	•			
Thank	Business	www.ojlaughlinplumbing.				



INVOICE NO. 3172181

636-22**5-0992** 

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Walinca Terrace PO#: 5000073404 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH:	JQB#	TERMS	INVOICE DATE	PAGE	
MAWC		MAWC	173023	net due upon receipt	5/25/17	2	
QUANTITY		DESCRIPTION	1000	UNITERI	GE A	MOUNT	
1 1 220 1		St. Louis County Stop-E 1" Flared Angle Stop 1" Type K Soft Copper Usage of Quick Plug	Box	53 4	.35	32.87 53.56 957.00 16.90	
1 1 1 1 200 12 3.5 6 0.5		Permit Trench Safety and Prote Compactor Usage Concrete Saw Per Day Skidsteer Per Day Mini-Excavator Per Day Bore @ \$25.00 Per Food Plumber At \$118.00 Per Plumber OT At \$140.00 Laborer with Service Tr \$89.00 Per Hour Laborer with Service Tr @ \$108.00 Per Hour Operator At \$83.00 Per Operator OT At \$120.00 Hour	t · Hour Per Hour uck @ uck OT Hour	53.56 4.35 16.90  Total Material and Other  60.00 75.00 45.00 350.00 350.00 25.00 118.00 140.00  89.00  108.00 83.00  120.00  Total Labor		957.00	
* means	item is non-taxable						
	Thair			SALE AMOUNT	1	1,668.19	
Thank Q Your	Business	Visit us at our website www.ojlaughlinplumbing.co	om	8.11% Tax	(	180,06	
Mour.				TOTAL	\$1	1,848.25	



306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605 Cherry Hill, NJ 08034 JOB;

MAWC - Walinca Terrace PO#: 5000073404 Clayton, MO 63105

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAG
MAWC		MAWC	173023	net due upon receipt	5/25/17	1
YTITNAUG		DESCRIPTION		UNIT PRI	OE A	MOUNT
	452 Carswold					
	To furnish labor and mat	erial to replace lead water ser	rvice to house.		1	
	2	1" Flared Angle Stop		53	.56	107.1
	2	1" Copper M - FIP Adap		13	.95	27.9
	2	1" Copper Reducing Te		20	.47	40.9
;	1	1" Watts Pressure Redu	ıcing		1	
	_	Valve / AUB - LF		181	.95	181.9
	3	1" Copper Fittings				
_	4	(90-45-Couplings)		4	.93	14.7
	1	1" Copper Fittings				
		(St. 90 - St. 45)			.08	17.0
-	1	1/2" Boiler Drain / Hose			.11	11.1
10		1" Type M Hard Copper			.42	44.2
	1 1	3/4" Plug (Square Head		3	.21	3.2
	L	Usage Of String Solder	&	_		
	2	Paste			.51	5.5
	1	B-Tank (Usage) 1" Flared Tee Head			.51	11.0
	1	3/4" Meter Yoke			.58	89.5
	1	Fibre Meter Box		114		114.8
	1	Meter Cover or Lid			.25 .46	96.2 50.4
	ì	St. Louis County Stop-B	lov		.87	32.8
100		1" Type K Soft Copper	· · · · · · · · · · · · · · · · · · ·		.35	32.0 435.0
		Usage of Quick Plug			.90	16.9
						10.5
				SALE AMOUNT	OF RANGE	
(	You For Business	Visit us at our website				
Thank	Busines	www.ojlaughlinplumbing.co	om	Same Sast	10.0	
6) 6111	k C			Contract district		-

# O.J. JAUGHLIN PLUMBING COMPANY

306 Saint Louis Avenue

VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605 Cherry Hill, NJ 08034

INVOICE NO. 3172180

JQB:

MAWC - Walinca Terrace PO#: 5000073404 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD CUSTOMER PURCHASE ORDER NO. SERVICE TECH. TERMS INVOICE DATE PAGE JOB# MAWC MAWC 173023 net due upon receipt 5/25/17 2 QUANTITY DESCRIPTION UNIT PRICE AMOUNT Total Material and Other 1,300.70 1 Permit 60.00 60.00\* 1 Concrete Saw Per Half Day 175.00 175,00\* Trench Safety and Protection 75.00 1 75.00\* 1 Compactor Usage 45.00 45.00\* 1 Skidsteer Per Day 350.00 350.00\* 1 Mini-Excavator Per Day 350.00 350.00\* 75 Bore @ \$25.00 Per Foot 25.00 1,875.00\* 11.5 Plumber At \$118.00 Per Hour 118.00 1,357.00\* 3.5 Plumber OT At \$140.00 Per Hour 140.00 490.00\* 6 Laborer with Service Truck @ \$89.00 Per Hour 89.00 534.00 0.5 Laborer with Service Truck OT @ \$108.00 Per Hour 108.00 54.00\* 8 Operator At \$83.00 Per Hour 664.00\* 83.00 0.5 Operator OT At \$120.00 Per Hour 120.00 60.00\* Total Labor 6,089.00 \* means item is non-taxable SALE AMOUNT Thank You Trok Your Business 7,389.70 148.79 Visit us at our website www.ojlaughlinplumbing.com TOTAL \$7,538.49



306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Wallnca Terrace PO#: 5000073404 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	20 10 20 20 24 2 20 20 20 20		erend Friedrich eren	19612
	FORCHASE CHOER NO.	The second secon	JOB#	TERMS	INVOICE DATE	PAG
MAWC	The state of the s	MAWC	173023	net due upon receipt	5/25/17	1
QUANTITY		DESCRIPTION	ECONOMIC NAME OF	UNIT PRI	GE A	MOUNT
	L L L L	terial to replace lead water so 1" Flared Tee Head 3/4" Meter Yoke Fibre Meter Box Meter Cover or Lid St. Louis County Stop- 1" Flared Angle Stop 1" Type K Soft Copper	-Вох	114 96 50 32 53	.58 .81 .25 .46 .87 .56	89.50 114.8: 96.2: 50.40 32.8: 53.50 26.10
		,,		Total Material and Otl	ner	463.63
1 2 2	2	Permit Plumber At \$118.00 Per Hou Laborer with Service Truck © \$89.00 Per Hour		60. 118. 89.		60.00 236.00 178.00
				Total Lal	oor	474.00
	ns item is non-taxable			SALE AMOUNT	***	937.63
Thank (	You From Bushness	Visit us at our website www.ojlaughlinplumbing.		8.11% Ta	X	37.6



invoice

JOB:

INVOICE NO. 3172182

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605 Cherry Hill, NJ 08034

merican Water Co

MAWC - Walinca Terrace PO#: 5000073404 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD

CUSTOMER	PURCHASE ORDER NO	SERVICE TECH.	JOB#	TERMS	INVOICE DAT	PAGE
MAWC		MAWC	173023	net due upon receipt	5/25/17	1
QUANTITY		DESCRIPTION		UNIT RE	RICE	AMOUNT
	648 Walinca					
7	o furnish labor and ma	terial to replace lead water se	rvice to house.		- 186	
2		1" Flared Angle Stop		5.	3.56	107.12
1		1" Copper M - FIP Ada	pter	1	3.95	13.95
2		1" Copper Reducer / Bi	ushing	(	6.67	13.34
2		1/2" Copper M - FIP Ac	lapter		3.35	6.70
1		1" Copper Reducing Te	e	2	0.47	20.47
3		1" Copper Fittings				
		(90-45-Couplings)			4.93	14.79
1		1" Copper Fittings			- 1	
		(St. 90 - St. 45)		1	7.08	17.08
20		1" Type M Hard Coppe	r		4.42	88.40
2		B-Tank (Usage)		!	5.51	11.02
1		Usage Of String Solder	&			
		Paste			5.51	5.51
1		1" Flared Tee Head			9.58	89.58
1		3/4" Meter Yoke			4.81	114.81
1		Fibre Meter Box		90	5.25	96.25
1		Meter Cover or Lid			0.46	50.46
1		St. Louis County Stop-E	Зох		2.87	32.87
100		1" Type K Soft Copper		4	4.35	435.00
1		Usage of Quick Plug		10	5.90	16.90
				Total Material and O	ther	1,134.25
1		Permit		60	0.00	60.00*
-		Citile		0.	5.00	00,00
				[ War ]		ate at
	North			SALE AMOUN	IT.	
1.0	You Fran Business	Visit us at our website			1-1	
Thank	Busines	www.ojlaughlinplumbing.o	com		180	
(Ol Jour				TOTAL		



306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Walinca Terrace PO#: 5000073404 Clayton, MO 63105

	A COMPLETE PLUMBING	SERVICE ~ SINCE 1951 ~ REPAIRS ~ RE	MODELING~RESIDEN	TIAL~COMMERCIAL~DESIGNE	UILD	
CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173023	net due upon receipt	5/25/17	2
YTITABUE		DESCRIPTION		UNIT PRI	OE AI	TNUON
1 1 1.5 1 75 11.5 13 8		Trench Safety and Procompactor Usage Concrete Saw Per Half Mini-Excavator Per Day Skidsteer Per Day Bore @ \$25.00 Per Food Plumber At \$118.00 Per Plumber OT At \$140.00 Laborer with Service T \$89.00 Per Hour Operator At \$83.00 Per Operator OT At \$120.00 Hour	Day  ot  r Hour  or Per Hour  ruck @  r Hour	45 175 350 350 25 118 140	.00 .00 .00 .00 .00 .00	75.00° 45.00° 175.00° 525.00° 350.00° 1,875.00° 1,820.00° 712.00° 664.00° 360.00°
	s item is non-taxable			SALE AMOUNT		9,152.25
Thank.	You For Business	Visit us at our website www.ojlaughlinplumbing.		8.11 % Ta		91.99
Gyow Oyou	. go.	,,,		TOTAL	\$9	9,244.24



306 Saint Louis Avenue

VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605 Cherry Hill, NJ 08034

JOB:

ST. LOUIS OPERATIONS

> MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

	A COMPLETE PLUMBING	SERVICE~SINCE 1951~REPAIRS~R	EMODELING~RESIDE	NTIAL~COMMERCIAL~DESIGNA	3UILD	
CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH;	JOB#	TERMS	INVOICE DATE	PAG
MAWC		MAWC	173024	net due upon receipt	5/31/17	1
QUANTITY		DESCRIPTION		UNITER	CE	AMOUNT
	420 Edgewood					
	To furnish labor and ma	terial to replace lead water se	ervice to house.		1	
1	Ļ	1" Flared Tee Head		89	.58	89.58
1		3/4" Meter Yoke		114		114.81
1		Fibre Meter Box			.25	96.25
1		Meter Cover or Lid	_		.46	50.46
1		St. Louis County Stop-	Вох		.87	32.87
1 100		1" Flared Angle Stop			.56	53.56
100		1" Type K Soft Copper Usage of Quick Plug	-		.35 .90	435.00
1		1" Flared Angle Stop			.56	16.90 53.56
1		1" Copper M - FIP Ada	inter		.95	13.95
1		1" Copper Fittings	iptoi	13.	,55	15,55
		(90-45-Couplings)		4.	.93	4.93
1		1" Copper Reducing To	ee		.47	20.47
10		1" Type M Hard Coppe		4.	.42	44.20
1	•	Usage Of String Solde	r &	_	. 11	
		Paste			.51	5.51
1		B-Tank (Usage)			.51	5.51
1		3/4" C x C Copper Cap 1/2" Brass Cap	)		.18	2.18
1		Brass Nipple 1/2x4"			.14 .58	3.14
1	•	piass Mibble 1/2X4		10.	.56	16.58
				Total Material and Oth	ner	1,059.46
				16.		
				SALE AMOUNT		
	Took Business				45	
6	a law Sign	Mait in at annual at	_			
and water	Siness	Visit us at our website		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2	
Thair	Oplan	www.ojlaughlinplumbing.	COITI	and the second	1/4	
(Hotte				TOTAL		
U				TOTAL	4	



invoice

INVOICE NO. 3172230

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNABUILD

USTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAG
IAWC		MAWC	173024	net due upon receipt	5/31/17	2
UANTITY		DESCRIPTION		UNITER	CE.	AMOUNT
1		Permit		60.	00	60.00
1		Trench Safety and Prote	ection	75.		75.00°
1		Compactor Usage		45.	00	45.00
1		1 Hour Concrete Saw Us	sage	45.		45.00
1		Dump Fee		70.		70.00
80		Bore @ \$25.00 Per Foot		25.		2,000.00
1		Skidsteer Per Day		350.		350.00
1		Mini-Excavator Per Day		350.		350.00
1 15		Dump Truck Per Day	11.	350.		350.00
		Plumber At \$118.00 Per Hour Plumber OT At \$140.00 Per Hour			00	1,770.00
3 9				140.	00	420.00
9		Laborer with Service Tru \$89.00 Per Hour	ICK @	00	00	001.00
1		Laborer with Service Tru	ick OT	89.	00	801.00
_		@ \$108.00 Per Hour	JCK OT	108.	00	108.00
3		Operator At \$83.00 Per	Hour	83.		249.00
1		Operator OT At \$120.00		05.	00	275,00
_		Hour		120.	00	120.00
				Total Lat	oor	6,813.00
* means	item is non-taxable					
	A.			SALE AMOUN		7,872. <del>4</del> 6
Thank 6	You From Business	Visit us at our website www.ojlaughlinplumbing.c	om	8.11% Ta	C	85.92
0110				or White a de and	122,42	



invoice

INVOICE NO. 3172231

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PA
MAWC		MAWC	173024	net due upon receipt	5/31/17	1
QUANTITY		DESCRIPTION		UNIT PR		MOUNT
				1000 10		22111
4	16 Edgewood					
		)				
1	<del>o furnish labor a</del> nd ma	terial to replace lead water ser	vice to house.			
1		1" Flared Tee Head		89.	.58	89.5
1		3/4" Meter Yoke		114.	81	114.8
1		Fibre Meter Box		96.		96.2
1		Meter Cover or Lid		50.		50.4
1 1		St. Louis County Stop-Be	XC	32.		32.8
50		1" Flared Angle Stop 1" Type K Soft Copper		53.		53.5
1		1" Flared Angle Stop			35	217.5
1		1" Copper M - FIP Adapt	ter	53.56 13.95		53.5 13.9
2		1" Copper Fittings		15.	95	13.9
		(90-45-Couplings)		4.	93	9.8
10		1" Type M Hard Copper			42	44.2
1		1/2" Plug (Square Head)		9.	80	9.8
1		Usage Of String Solder 8	<u>k</u>			
		Paste			51	5.5
1		B-Tank (Usage)			51	5.5
1		Usage of Quick Plug		16.	90	16.9
				Total Material and Oth	ner	814.3
1		Permit		60.	00	60.0
1		Trench Safety and Prote	ction	75.		75.0
1		Compactor Usage		45.	00	45.0
	of.			SALE AMOUNT		
. 6	You For Business	Visit us at our website				
Thank	Business	www.ojlaughlinplumbing.co	om		No.	
@ Cour	,0			And the State of the St.	OTOR A	
-5				TOTAL	- 11 11 11	



306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173024	net due upon receipt	5/31/17	2
QUANTITY	60 m	DESCRIPTION		UNITER	GE A	MOUNT
1		1 Hour Concrete Sa	aw Usage	45	.00	45.00*
30		Bore @ \$25.00 Per	25	.00	750.00*	
8		Skidsteer Per Day	350	.00	2,800.00*	
1		Mini-Excavator Per Day			.00	350.00*
12		Plumber At \$118.0	0 Per Hour	118	.00	1,416.00*
2		Plumber OT At \$14	0.00 Per Hour	140	.00	280.00*
6		Laborer with Service	e Truck @		- 1	
		\$89.00 Per Hour		89.	.00	534.00*
3		Operator At \$83.00	Per Hour	83.00 24		
0.5		Operator OT At \$13	20.00 Per			
		Hour		120	.00	60.00*
				Total Lai	oor	6,664.00
				rocar Edi	301	0,007.00

\* means item is non-taxable

Thank Oyou From Oyour Business

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SALE AMOUNT 7,478.32 811% 66.04 TOTAL \$7,544.36



invoice

INVOICE NO. 3172232

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD CUSTOMER PURCHASE ORDER'NO. SERVICE TECH. TERMS INVOICE DATE JOB# PAGE MAWC MAWC 173024 net due upon receipt 5/31/17 QUANTITY DESCRIPTION UNIT PRICE AMOUNT 318 Edgewood To furnish labor and material to replace lead water service to house. 1" Flared Tee Head 89.58 89.58 1 3/4" Meter Yoke 114.81 114.81 1 Fibre Meter Box 96.25 96.25 1 Meter Cover or Lid 50.46 50.46 1 St. Louis County Stop-Box 32.87 32.87 1 1" Flared Angle Stop 53.56 53.56 100 1" Type K Soft Copper 4.35 435.00 1 Usage of Quick Plug 16.90 16.90 1 1" Flared Angle Stop 53.56 53.56 1 1" Copper M - FIP Adapter 13.95 13.95 1 1" Copper Fittings (90-45-Couplings) 4.93 4.93 1 1" Copper Fittings (St. 90 - St. 45) 17.08 17.08 1 1" Copper Reducer / Bushing 6.67 6.67 2 1" Type M Hard Copper 4.42 8.84 1 1/2" Plug (Square Head) 9.80 9.80 1 Usage Of String Solder & Paste 5.51 5.51 1 B-Tank (Usage) 5.51 5.51 Total Material and Other 1,015.28 Thank Gou From Gount Business SALE AMOUNT Visit us at our website www.ojlaughlinplumbing.com TOTAL

# O.J. LAUGHLIN PLUMBING COMPANY

II IVOIGE

INVOICE NO. 3172232

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

USTOMER	PURCHASE ORDER NO.	SERVICE TECH:	JOB#	TERMS	INVOICE DATE	PAG
/AWC		MAWC	173024	net due upon receipt	5/31/17	2
UANTITY	and the second second	DESCRIPTION		UNIT PR	CE AN	MOUNT
1		Permit		60.	00	60.00
1		Trench Safety and I	Protection	75.		75.00
1		Compactor Usage		45.		45.00
1		1 Hour Concrete Sa	w Usage	45.		45.00
80		Bore @ \$25.00 Per	Foot	25.		,000.00
1		Skidsteer Per Day		350.		350.00
1		Mini-Excavator Per		350.	00	350.00
15		Plumber At \$118.00		118.	00 1	,770.00
3		Plumber OT At \$140		140.	00	420.00
9		Laborer with Service	e Truck @		1	
4		\$89.00 Per Hour		89.	00	801.00
1		Laborer with Service				
2		@ \$108.00 Per Hou		108.		108.00
3 0.5		Operator At \$83.00		83.	00	249.00
0.5		Operator OT At \$12 Hour	u.ou Per	120	00	50.05
		Houl		120.	00	60.00
				Total Lab	or 6	,333.00
* means	item is non-taxable					
	There			SALE AMOUNT	7.	<b>.348.2</b> 8
Tharle 6	You From Business	Visit us at our webs		8.11% Tax	C.	82.34
0110	W/O			(6.4.15.5.5.10.10.1	TV In I	



invoice

INVOICE NO. 3172234

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

	A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD							
CUSTOMER	PURCHASE ORDER NO.	PURCHASE ORDER NO. SERVICE TECH. JOB#		TERMS	S INVOICE DATE			
MAWC		MAWC 173024		net due upon receipt	5/31/17	1		
QUANTITY		DESCRIPTIO	N	UNITER	ICE V	MOUNT		
( 1	144 Edgewood To furnish labor and mat							
1		1" Flared Tee He	ad		.58	89.5		
1 1		3/4" Meter Yoke		114		114.8		
1		Fibre Meter Box Meter Cover or Li	id		.25	96.2		
1		1" Flared Angle S			.46 .56	50.4		
100		1" Type K Soft Co			.35	53.5 435.0		
1		Usage of Quick P			.90	16.9		
1		1" Copper Fitting		10	.50	10.3		
		(90-45-Couplings		4	.93	4.9		
1		Brass Nipple 1/2x		16	.58	16.5		
1		1" Copper M - FI		13.	.95	13.9		
5		1" Type M Hard (		4	.42	22.1		
1		Usage Of String S	Solder &					
		Paste			.51	5.5		
1 7		B-Tank (Usage) Rock Per Ton			.51	5.5		
,		ROCK Per Ton		10.	.65	74.5		
				Total Material and Oth	ner	999.6		
1		Permit		60.	00	60.0		
1		Trench Safety and	d Protection	75.		75.0		
1		Compactor Usage	<u> </u>	45.		45.0		
1		Dump Fee		70.	.00	70.0		
	5 low From			SÂLE AMOUNT	Ť			
Thank C	You From Business	Visit us at our we www.ojlaughlinpluml			1			
				TOTAL				



invoice

INVOICE NO. 3172234

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173024	net due upon receipt	5/31/17	2
QUANTITY		DESCRIPTION		UNIT PR	CE A	MOUNT
80		Bore @ \$25.00 Per Foo				
1		Mini-Excavator Per Day			.00	2,000.003
1		Skidsteer Per Day	у	350.		350.003
1		Dump Truck Per Day		350. 350.		350.003
16		Plumber At \$118.00 Pe	er Hour	118		350.003
4		Plumber OT At \$140.00	0 Per Hour	140.		1,888.00° 560.00°
10		Laborer with Service T	ruck @	170	.00	300.00
		\$89.00 Per Hour		89.	nn	890.00
2		Laborer with Service T	ruck OT	05		030.00
		@ \$108.00 Per Hour		108.	00	216.00*
3		Operator At \$83.00 Pe	r Hour	83.		249.00*
0.5		Operator OT At \$120.0	10 Per		7.00	
		Hour		120.	00	60.00
				Total Lab	oor	7,163.00
	; item is non-taxable					
means	TICH IS HOH-LAXABLE			1.3390-14.3520		
	Olive			SALE AMOUNT		3,162.69
Thank 6	You From Business	Visit us at our website www.ojlaughlinplumbing.o		8.11 % Tax	V	81.07
Oyour				TOTAL	\$8	3,243.76



306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605 Cherry Hill, NJ 08034

JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

	A COMPLETE PLUMBING	A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD							
CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH,	JOB#	TERMS	INVOICE DATE	PAG			
MAWC		MAWC 1		net due upon receipt	5/31/17	1			
QUANTITY		DESCRIPTION		UNIT PR	CE A	TAUON			
	400 Edgewood								
	To furnish labor and mat	erial to replace lead water s	ervice to house.		No.				
1		1" Flared Tee Head		89.	58	89.58			
1		3/4" Meter Yoke		114.	81	114.8			
1		Fibre Meter Box		96.	25	96.2			
1		Meter Cover or Lid		50.	46	50.4			
1		St. Louis County Stop-	-Box	32.	87	32.8			
1		1" Flared Angle Stop		53.	56	53.5			
100		1" Type K Soft Copper		4.	35	435.0			
1		Usage of Quick Plug			90	16.9			
1		1" Flared Angle Stop		53.	56	53.5			
1		1" Copper M - FIP Ada		13.	95	13.9			
1		1" Copper Reducing T		20.	47	20.4			
1		1/2" Boiler Drain / Hos	se Bibb	11.	11	11.1			
2		1" Copper Fittings							
		(90-45-Couplings)		4.	93	9.8			
1	•	1" Copper Fittings							
		(St. 90 - St. 45)		17.		17.0			
1		1" Copper Reducer / E	Bushing		67	6.6			
2		1" Mickey Hanger			92	1.8			
4		Drywall Screw		0.33		1.3			
15		1" Type M Hard Coppe		4.42		66.3			
1		Usage Of String Solde	r &						
		Paste			51	5.5			
1		B-Tank (Usage)		5.	51	5.5			
	Tork Business			SALE AMOUNT					
2 1.0	your goods	Visit us at our websit							
2511 00016	CRUNUIN .	www.ojlaughlinplumbing.	com	100 T. A.	1735				

SEE REVERSE SIDE FOR LIEN CLAUSE

**TOTAL** 



306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JØ8#	TERMS	INVOICE DATE	PAGE
MAWC	2 2011 - 2 2422200 - 3 20 22	MAWC	173024	net due upon receipt	5/31/17	2
QUANTITY		DESCRIPTION		UNITER	CE A	MOUNT
1 7 1 1 1 80 1 1 16 3 10 1 3 0.5		1/2" Plug (Square Hear Rock Per Ton  Permit Trench Safety and Prot Compactor Usage Dump Fee Bore @ \$25.00 Per Foo Mini-Excavator Per Day Skldsteer Per Day Dump Truck Per Day Plumber At \$118.00 Per Plumber OT At \$140.00 Laborer with Service Ti \$89.00 Per Hour Laborer with Service Ti @ \$108.00 Per Hour Operator At \$83.00 Per Operator OT At \$120.0 Hour	ection  ot  or Hour  O Per Hour  ruck @  ruck OT  r Hour	10. Total Material and Ott 60. 75. 45. 70. 25. 350. 350. 118. 140.	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00	9.80 74.55  1,186.96  60.00* 75.00* 45.00* 350.00* 350.00* 350.00* 420.00* 890.00* 108.00* 249.00* 6,915.00
	s (tem is non-taxable			SALE AMOUNT	r	8,101.96
Thunk,	You From Business	Visit us at our website www.ojlaughlinplumbing.		8.11% Ta	*	96.26
Thank Gour For Your Business			TOTAL		8,198.22	



306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD CUSTOMER PURCHASE ORDER NO. SERVICE TECH. INVOICE DATE JOB# TERMS PAGE MAWC MAWC 173024 net due upon receipt 5/31/17 QUANTITY DESCRIPTION UNIT PRICE AMOUNT. 401 Edgewood To furnish labor and material to replace lead water service to house. 1 1" Flared Tee Head 89.58 89.58 1 3/4" Meter Yoke 114.81 114.81 1 Fibre Meter Box 96.25 96.25 1 Meter Cover or Lid 50.46 50.46 1 St. Louis County Stop-Box 32.87 32.87 1 1" Flared Angle Stop 53.56 53.56 70 1" Type K Soft Copper 4.35 304.50 1 Usage of Quick Plug 16,90 16.90 1 1" Flared Angle Stop 53.56 53.56 1 1" Copper M - FIP Adapter 13.95 13.95 2 1" Copper Fittings (90-45-Couplings) 4.93 9.86 3 1" Type M Hard Copper 4.42 13.26 1 1" Copper Reducer / Bushing 6.67 6.67 1 1/2" Plug (Square Head) 9.80 9.80 1 Usage Of String Solder & Paste 5.51 5.51 1 B-Tank (Usage) 5.51 5.51 Total Material and Other 877.05 1 Permit 60.00 60.00\* 1 Trench Safety and Protection 75.00 75.00\* SALE AMOUNT Thank You Far Gyour Business Visit us at our website www.ojlaughlinplumbing.com **TOTAL** 

### O.J. LAUGHLIN PLUMBING COMPANY Juc.

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088 invoice

INVOICE NO. 3172255

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

		SERVICE~SINCE 1951 ~ REPAIRS~			30112	
CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	
MAWC		MAWC	173024	net due upon receipt	5/31/17	2
QUANTITY	of the got of	DESCRIPTION		UNITER	CE	AMOUNT
1 1 50 14 2 8 3 0.5	s item is non-taxable	Compactor Usage Skidsteer Per Day Mini-Excavator Per D Bore @ \$25.00 Per F Plumber At \$118.00 Plumber OT At \$140 Laborer with Service \$89.00 Per Hour Operator At \$83.00 I Operator OT At \$120 Hour	oot Per Hour .00 Per Hour Truck @ Per Hour	350 350	.00 .00 .00 .00 .00	45.00° 350.00° 350.00° 1,250.00° 1,652.00° 280.00° 712.00° 249.00° 60.00° 5,083.00
				SALE AMOUNT		5,960.05
	Jou From Business			8.11% Tax	234	71.13
In.	Latte	Visit us at our websi				

\$6,031.18

TOTAL



306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

 $\verb|ACOMPLETE| PLUMBING SERVICE \sim SINCE 1951 \sim REPAIRS \sim REMODELING \sim RESIDENTIAL \sim COMMERCIAL \sim DESIGNBUILD$ INVOICE DATE PAGE PURCHASE ORDER NO.

MAWC	MAWC	173024	net due upon receipt	5/31/17	1
QUANTITY	DESCRIPTION		UNIT PR		MOUNT
Par see No.	2200111,1100	V	graf man		
428 Edgewood					
To furnish labor	r and material to replace lead wa	ter service to house.			
1	1" Flared Tee Hea	ad	89	.58	89.58
1	St. Louis County :			.87	32.87
40	1" Type K Soft Co	ppper		.35	174.00
7		Rock Per Ton		.65	74.55
1	Usage Of String S	Solder &			
	Paste			.51	5.51
1	B-Tank (Usage)		5	.51	5.51
			Total Material and Ot	her	382.02
1	Permit		60	.00	60.00
1	Dump Fee			.00	70.00
1	Compactor Usage	:		.00	45.00
1	Trench Safety and	d Protection		.00	75.00
30	Bore @ \$25.00 Pe	er Foot	25	.00	750.00
1	Mini-Excavator Pe	er Day	350	.00	350.00
1	Skidsteer Per Day		350	.00	350.00
1	Dump Truck Per I		350	.00	350.00
12	Plumber At \$118.		118	.00	1,416.00
2	Plumber OT At \$1		140	.00	280.00
6	Laborer with Serv	rice Truck @			
_	\$89.00 Per Hour			.00	534.00
3	Operator At \$83.0	00 Per Hour	83	.00	249.00
			SALE AMOUN	364	
2			SALE MINIOUN	34	
Thank You For Nour Business Your	Malt up at	. L _ ! L _	36.7	4-	
of the Southers	Visit us at our we		AC 1 (1)	V # 1	
Than Opin	www.ojlaughlinpluml	Jing.com	San Transaction		
Oyour			TOTAL		
			TOTAL		



636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

invoice

INVOICE NO. 3172257

JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH	JØ8#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173024	net due upon receipt	5/31/17	2
QUANTITY		DESCRIP	TION	UNIT PR	CE A	MOUNT
0.5		Operator OT A Hour	t \$120.00 Per	120.	.00	60.00*
				Total Lal	oor 4	4,589.00

\* means item is non-taxable

Thank You From Your Business

Visit us at our website www.ojlaughiinplumbing.com

SALE AMOUNT 4,971.02

8.11 % Tax 30.98

TOTAL \$5,002.00



invoice

INVOICE NO. 3172258

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

**BILL TO:** 

Missourl American Water Co PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD CUSTOMER PURCHASE ORDER NO. SERVICE TECH TERMS INVOICE DATE JOB# PAGE MAWC MAWC 173024 net due upon receipt 5/31/17 1 QUANTITY DESCRIPTION UNIT PRICE AMOUNT 424 Edgewood To furnish labor and material to replace lead water service to house. 1 1" Flared Tee Head 89.58 89.58 1 St. Louis County Stop-Box 32.87 32.87 30 1" Type K Soft Copper 4.35 130.50 1 Usage Of String Solder & Paste 5.51 5.51 1 B-Tank (Usage) 5.51 5.51 Total Material and Other 263.97 1 Permit 60.00 60.00\* 1 Compactor Usage 45.00 45.00\* 1 Trench Safety and Protection 75.00 75.00\* 30 Bore @ \$25.00 Per Foot 25.00 750.00\* 1 Skidsteer Per Day 350.00 350.00\* 1 Mini-Excavator Per Day 350.00 350.00\* 12 Plumber At \$118.00 Per Hour 118.00 1,416.00\* 2 Plumber OT At \$140.00 Per Hour 140.00 280.00\* 6 Laborer with Service Truck @ \$89.00 Per Hour 89.00 534.00\* 3 Operator At \$83.00 Per Hour 83.00 249.00\* 0.5 Operator OT At \$120.00 Per Hour 120.00 60.00\* Thank You For Your Business SALE AMOUNT Visit us at our website www.ojlaughlinplumbing.com TOTAL



INVOICE NO. 3172258

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605

Cherry Hill, NJ 08034

JÓB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH,	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173024	net due upon receipt	5/31/17	2
QUANTITY		DESCRIPTIO	N	UNITER	GE AN	OUNT

Total Labor

4,169.00

\* means item is non-taxable

Thank You For Your Business

Visit us at our website www.ojlaughlinplumbing.com

SALE AMOUNT 4,432.97 21.41 8.11% TOTAL \$4,454.38

SEE REVERSE SIDE FOR LIEN CLAUSE

MAWC southwest operations Schedule JAM-r6



306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

CUSTOMER	PURCHASE ORDER NO.	SERVICE ~ SINCE 1951 ~ REPAIRS ~ R	JOB#	TERMS	INVOICE DATE	PAGE
MAWC	1 0110 1102 01001110.	MAWC	173024	net due upon receipt	5/31/17	1
QUANTITY		DESCRIPTION	173021	UNIT PRI		MOUNT
	437 Edgewood					
(	·	erial to replace lead water so	ervice to house.			
1		1" Flared Tee Head		89.	.58	89.58
1		3/4" Meter Yoke		114.		114.81
1		Fibre Meter Box		96.		96.25
1		Meter Cover or Lid St. Louis County Stop-	Roy	50. 32.		50.46 32.87
1		1" Flared Angle Stop	DOX	53.		53.56
70		1" Type K Soft Copper			35	304.50
1		Usage of Quick Plug		16.		16.90
1		1" Flared Angle Stop		53.	56	53.56
1		1" Copper M - FIP Ada	pter	13.	95	13.95
1		1" Copper Fittings				
		(90-45-Couplings)			93	4.93
1		1" Copper Reducing To 3/4" Copper C x C Slea		20.	47	20.47
1		Less Stop	eve /	2	33	3.33
1		3/4" C x C Copper Cap	1		18	2.18
1		3/4" Type M Hard Cop			69	2.69
10	1	1" Type M Hard Coppe			42	44.20
1		Usage Of String Solde				
		Paste		5.	51	5.51
1		B-Tank (Usage)			51	5.51
7		Rock Per Ton		10.	65	74.55
	Lu			SALE AMOUNT		
Thank (	You Trov Business	Visit us at our website www.ojlaughlinplumbing.				
	1.0			AT THE RESERVE OF THE PARTY OF		



636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605 Cherry Hill, NJ 08034 invoice

INVOICE NO. 3172259

JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

	A COMPLETE PLUMBING	A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD							
CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH:	JOB#	TERMS	INVOICE DATE	PAG			
MAWC		MAWC	173024	net due upon receipt	5/31/17	2			
YTITYAUQ		DESCRIPTION		UNIT PRI	CE A	MOUNT			
				Total Material and Otl	ner	989.81			
1 1 1 1 60 1		Permit Compactor Usage Trench Safety and P Dump Fee Bore @ \$25.00 Per F Mini-Excavator Per D	60.00 45.00 75.00 70.00 25.00 350.00 350.00 350.00 118.00 140.00		60.00 45.00 75.00 70.00 1,500.00				
1 16 4 10		Skidsteer Per Day Skidsteer Per Day Dump Truck Per Day Plumber At \$118.00 Per Hour Plumber OT At \$140.00 Per Hour Laborer with Service Truck @ \$89.00 Per Hour			350.00 350.00 1,888.00 560.00				
2 3 0.5		Laborer with Service @ \$108.00 Per Hour Operator At \$83.00 Operator OT At \$120 Hour	Per Hour	108. 83. 120.	00	216.00 249.00 60.00			
				Total Lat		6,663.00			
* mean	s item is non-taxable								
	Theost			SALE AMOUNT		7,652.81			
Thank C	You From Business	Visit us at our webs www.ojlaughlinplumbin		8.11 % Ta	¢ :	80.27			
Oyour				TOTAL	\$7	7,733.08			



306 Saint Louis Avenue

VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605 Cherry Hill, NJ 08034

JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH	UOB#	TERMS	INVOICE DAT	E PA
MAWC		MAWC	173024	net due upon receipt	5/31/17	1
QUANTITY		DESCRIPTION		UNIT P	RICE	AMOUNT
4	40 Edgewood					
	a Surmiah lahaward was	adal ta mala a la la la la la				
•	<del>o turrish labo</del> r and mai	erial to replace lead water s	ervice to nouse.			
1		1" Flared Tee Head			9.58	89.5
1		3/4" Meter Yoke			1.81	114.8
1		Fibre Meter Box			5.25	96.2
1		Meter Cover or Lid St. Louis County Stop	Pay		0.46	50.4
î		1" Flared Angle Stop	-DOX		2.87 3.56	32.8
100		1" Type K Soft Coppe	r		1.35	53.5 435.0
1		1" Flared Angle Stop	•		3.56	53.5
1		1" Copper M - FIP Ad	apter		3.95	13.9
1		1" Copper Fittings	'			1015
		(90-45-Couplings)		4	1.93	4.9
1		1" Copper Reducer /	Bushing	6	5.67	6.6
10		1" Type M Hard Copp			1.42	44.20
1		3/4" Plug (Square He		11	1.49	11.4
1		Usage Of String Solds	er &			
1		Paste B-Tank (Usage)			5.51	5.5
1		Usage of Quick Plug			5.51	5.5
1		Usage of Quick Plug		16	5.90	16.9
				Total Material and O	her	1,035.2
1		Permit		60	0.00	60.00
1		Compactor Usage			5.00	45.00
				SALE AMOUN	200	-
	You For Business			3.3.2,3.0.013	10000	
. 6	1/000	Visit us at our websi	re .			
Thank	Business	www.ojlaughlinplumbing		6		
(a) louit	Olor			22.7 W. W. W. W.	4.500	
14 11 1/16				TOTAL		



invoice

INVOICE NO. 3172260

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Edgewood Dr. PO#: 5000073398

Clayton, MO 63105

	A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD	а
п	LAD IMPLETE MUNICIPALITA SERVICE ASINCE 1961 A REPAIRS A DEMONERNO A DESIDENTIAL ACCUMUNEDCIAL A DESIGNALIN DE	а
- 81	I VI GOMILIEGI E GAMERIA GELLAGE. GILLOCE 1891 A LICIALIDA LICIADEDINO A LEGIDENTINE ACCIONINE LONGA DEGIDENTIA	a.

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH:	JOB#	TERMS	INVOICE DATE	PAGI
MAWC		MAWC	173024	net due upon receipt	5/31/17	2
NUANTITY		DESCRIPTION		UNIT PR	ICE ,	AMOUNT
1		Trench Safety and Pro	otection	75	.00	75.00
80		Bore @ \$25.00 Per Fo			.00	2,000.00
1		Skidsteer Per Day		350		350.00
1		Mini-Excavator Per Da		350	.00	350.00
17		Plumber At \$118.00 P		118	.00	2,006.00
4		Plumber OT At \$140.0		140	.00	560.00
11		Laborer with Service "	Truck @			
		\$89.00 Per Hour		89	.00	979.00
2		Laborer with Service 7	Truck OT		11	
		@ \$108.00 Per Hour		108		216.00
3 0.5		Operator At \$83.00 Po		83	.00	249.00
		Operator OT At \$120.	00 Per			
		Hour		120	.00	60.00
				Total Lal	har	6,950.00
	s item is non-taxable			SALE AMOUNT	iwai	7,985.25
Thank.	You From Business	Visit us at our websit www.ojlaughlinplumbing		VIII - Ta	×	83.96
Oyu			/	TOTAL		8,069.21



INVOICE NO. 3172261

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAG
MAWC		MAWC	173024	net due upon receipt	5/31/17	1
PANTITY		DESCRIPTION		UNITER	CE AN	IOUNT
	452 Edgewood					
		\				
( '	To furnish labor and mat	erial to replace lead water s	service to house.			
		1" Flared Tee Head		89	.58	89.5
1	Ī	3/4" Meter Yoke		114		114.8
1	l	Fibre Meter Box			.25	96.2
1	l.	Meter Cover or Lid		50	.46	50.4
1		St. Louis County Stop	-Box		.87	32.8
1		1" Flared Angle Stop			.56	53.5
100		1" Type K Soft Coppe	er		.35	435.0
1		Usage of Quick Plug			.90	16.9
1		1" Flared Angle Stop 1" Copper M - FIP Ad	antor		.56	53.5
2		1" Copper Fittings	aptei	15	.95	13.9
2	-	(90-45-Couplings)		4	.93	9.8
1	L	1" Copper Reducing 1	Гее		.47	20.4
1	L	1/2" Sweat Full Port E	Ball			
		Valve		18	.90	18.9
1	L	1/2" Copper Fittings			10	
		(90-45-Couplings)			.00	0.0
1		1" Dielectic Union	Minute	4	.00	4.0
1	L	Galvanized Steel Pipe 1" x 4"	ирріе	2		2.5
20	)	1" Type M Hard Copp	er		.57 .42	3.5 88.4
3		1" Copper J-Hook			45	1.3
		2 dopper o moon				1.5
	-			SALE AMOUNT		
. (	Took Business	Visit us at our websit	te .			
Mank	Swines	www.ojlaughlinplumbing		A 1 - 1 - 1 - 1 - 1 - 1 - 1		
S) lett	ie Doc			Action State States	(42.74)	
(0) 1000				TOTAL		

#### O. J. LAUGHLIN PLUMBING COMPANY guc.

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088 invoice

INVOICE NO. 3172261

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605 Cherry HIII, NJ 08034 JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JØB#	TERMS	INVOICE DAT	re PAGE
MAWC		MAWC	173024	net due upon receipt	5/31/17	2
QUANTITY		DESCRIPTION		UNIT PR	OE	AMOUNT
1		Usage Of String Solder	٠.			
-		Paste	O.	5	.51	5.51
1		B-Tank (Usage)			.51	5.51
7		Rock Per Ton	100		.65	74.55
				Total Material and Ot	her	1,189.06
1		Permit		60	.00	60.00
1		Trench Safety and Pro	tection		.00	75.00
1		Compactor Usage			.00	45.00
1		Dump Fee			.00	70.00
1		Dump Truck Per Day		350	.00	350.00
1		Skidsteer Per Day		350	.00	350.00
1		Mini-Excavator Per Day		350		350.00
80		Bore @ \$25.00 Per Foo			.00	2,000.00
17		Plumber At \$118.00 Pe		118		2,006.00
4 11		Plumber OT At \$140.0 Laborer with Service T	D Per Hour	140	.00	560.00
		\$89.00 Per Hour		89	.00	979.00
2		Laborer with Service T	ruck OT	400		
3		@ \$108.00 Per Hour		108		216.00
0.5		Operator At \$83.00 Pe Operator OT At \$120.0	0 Per	83	.00	249.00
		Hour		120	.00	60.00
				Total La	bor	7,370.00
* means	item is non-taxable					
	A.			SALE AMOUNT		8,559.06
Thunk 6	You For Business	Visit us at our website www.ojlaughlinplumbing.		8.11.2 Ta	×	96.43
O low	Opin	www.ojiaugimipiumbing.	30111		Sec. 1	
Ogow				TOTAL		\$8,655.49

## O.J. LAUGHLIN SINGE 1951 PLUMBING COMPANY

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088 invoice

INVOICE NO. 3172262

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD CUSTOMER PURCHASE ORDER NO. SERVICE TECH. JOB# TERMS INVOICE DATE PAGE MAWC MAWC 173024 net due upon receipt 5/31/17 1 QUANTITY DESCRIPTION UNIT PRICE AMOUNT 336 Edgewood To furnish labor and material to replace lead water service to house. 1 1" Flared Tee Head 89.58 89.58 1 3/4" Meter Yoke 114.81 114.81 1 Fibre Meter Box 96.25 96.25 1 Meter Cover or Lid 50.46 50.46 1 St. Louis County Stop-Box 32.87 32.87 1 1" Flared Angle Stop 53.56 53.56 100 1" Type K Soft Copper 4.35 435.00 1 Usage of Quick Plug 16.90 16.90 1" Flared Angle Stop 1 53.56 53.56 1" Copper M - FIP Adapter 1 13.95 13.95 2 1" Copper Fittings (90-45-Couplings) 4.93 9.86 1 3/4" Copper Fittings (90-45-Couplings) 3.59 3.59 1 1" Copper Fittings (St. 90 - St. 45) 17.08 17.08 1" Copper Reducer / Bushing 6.67 6.67 7 1" Type M Hard Copper 4.42 30.94 1 Usage Of String Solder & Paste 5.51 5.51 1 B-Tank (Usage) 5.51 5.51 1 1/2" Plug (Square Head) 9.80 9.80 Thank Oyou Fror Oyour Business SALE AMOUNT Visit us at our website www.ojlaughlinplumbing.com **TOTAL** 



INVOICE NO. 3172262

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

	A COMPLETE PLUMBING	SERVICE ~ SINCE 1951 ~ REPAIRS ~	REMODELING ~ RESIDE	NTIAL~COMMERCIAL~DESIGNA	BUILD	
CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TÉRMS	INVOICE DATE	PAGI
MAWC		MAWC	173024	net due upon receipt	5/31/17	2
QUANTITY		DESCRIPTION		UNIT PRI	CE A	MOUNT
1 1 1 100		Permit Trench Safety and P Compactor Usage		75. 45.	.00 .00	1,045.90 60.00 75.00 45.00
100 1 18 3 12		Bore @ \$25.00 Per Foot Skidsteer Per Day Mini-Excavator Per Day Plumber At \$118.00 Per Hour Plumber OT At \$140.00 Per Hour Laborer with Service Truck @ \$89.00 Per Hour		350 350 118 140	.00 .00 .00	2,500.00 350.00 350.00 2,124.00 420.00
1 3 0.5	Laborer with Service  \$108.00 Per Hour  Operator At \$83.00 I  Operator OT At \$120  Hour	Per Hour	108. 83.	89.00 108.00 83.00		
		riour		Total Lai		60.00 7,409.00
* mean	is item is non-taxable					
	Real	10		SALE AMOUNT	1	3,454.90
Thank Buimeb Visit us at our website www.ojlaughlinplumbing.com			8.11 Ta	×	84.82	
Oyou.				TOTAL	\$8	3,539.72



306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605 Cherry Hill, NJ 08034

JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

USTOMER	PURCHASE ORDER NO.	SERVIGETECH:	JO8#	TERMS	INVOICE DATE	
MAWC		MAWC	173024	net due upon receipt		1
UANTITY		DESCRIPTION		UNITER	RICE	MOUNT
	600 Carswold					
		)			- 11	
	o furnish labor and ma	aterial to replace lead water se	rvice to house.		4	
1		1" Flared Tee Head		8	9.58	89.5
1		3/4" Meter Yoke			4.81	114.8
1		1" Flared Coupling			7.55	27.5
1		Fibre Meter Box			5.25	96.2
1		Meter Cover or Lid St. Louis County Stop-I	Boy		0.46 2.87	50.4 32.8
1		1" Flared Angle Stop	DUX .		3.56	53.5
130		1" Type K Soft Copper			4.35	565.5
1		Usage of Quick Plug			5.90	16.9
7		Rock Per Ton			0.65	74.5
1		1" Flared Angle Stop			3.56	53.5
1		1" Copper M - FIP Ada	pter	1.	3.95	13.9
2		1" Copper Fittings				
1		(90-45-Couplings) 1" C x C Copper Tee			4.93	9.8
10		1" Type M Hard Coppe	r	_	0.40 4.42	20.4 44.2
2		1/2" Plug (Square Head			9.80	19.6
1		Usage Of String Solder		•	7.00	15.0
		Paste		!	5.51	5.5
1		B-Tank (Usage)			5.51	5.5
				Total Material and O	ther	1,294.6
				SALE AMOUN	T.	
	You For Business					
e 100	Gow agbs	Visit us at our website		44	14	
Thank	OBUSEIN	www.ojlaughlinplumbing.o	com		. Aura	
				The state of the s		



306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

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BILL TO:

Missouri American Water Co PO Box 5605 Cherry Hill, NJ 08034

JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JØB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173024	net due upon receipt	6/1/17	2
QUANTITY		DESCRIPTION		UNIT PRI	CE A	MOUNT
1		Permit		60	.00	60.00*
1		Trench Safety and F	Protection		.00	75.00
1		Compactor Usage	TOCOGGOT		.00	45.00°
1		Dump Fee			.00	70.00
120		Bore @ \$25.00 Per	Foot		.00	3,000.00
1		Mini-Excavator Per I		350		350.00
1		Skidsteer Per Day	,	350		350.00
1		Dump Truck Per Da	V	350		350.00
17		Plumber At \$118.00	Per Hour	118		2,006.00
4		Plumber OT At \$140		140.		560.00
11		Laborer with Service				500.00
		\$89.00 Per Hour	_	89	.00	979.00
2		Laborer with Service	Truck OT			373100
		@ \$108.00 Per Hou	r	108.	.00	216.00
3		Operator At \$83.00	Per Hour	83.		249.00
0.5		Operator OT At \$12	0.00 Per			
		Hour		120.	.00	60.00
				Total Lab	oor	8,370.00
* means	s item is non-taxable					
	Town			SALE AMOUNT		9,664.62
Thunk (	You From Business	Visit us at our webs www.ojlaughlinplumbing		8.11.2 Tax	X.	104. <del>99</del>
Oyour				TOTAL	\$1	9,769.61

SEE REVERSE SIDE FOR LIEN CLAUSE

MAWC southwest operations Schedule JAM-r6



invoice

INVOICE NO. 3172264

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

CUSTOMER PURCHASE	DADER NO. SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGE
MAWC	MAWC	173024	net due upon receipt	6/1/17	1
QUANTITY	DESCRIPTION		UNITER	CE A	MOUNT
332 Edgewoo	od				
To formulate to	)				
TO Turnish lai	por and material to replace lead water	service to house.			
1	1" Flared Tee Head			.58	89.58
1	3/4" Meter Yoke		114		114.81
1 1	Fibre Meter Box			.25	96.25
1	Meter Cover or Lid St. Louis County Stop	-Boy		.46 .87	50.46
1	1" Flared Angle Stop	)-DOX		.56	32.87 53.50
100	1" Type K Soft Coppe	er		.35	435.00
1	Usage of Quick Plug			.90	16.90
1	1" Flared Angle Stop			.56	53.56
1	1" Copper M - FIP Ac	lapter	13	.95	13.9
1	1" Copper Fittings				
	(90-45-Couplings)			.93	4.93
1 6	1" Copper Reducer /			.67	6.6
1	1" Type M Hard Copp Usage Of String Sold		4	.42	26.5
1	Paste	ci Ox	Ę	.51	<b>5.</b> 5:
1	B-Tank (Usage)			.51	5.5
1	1/2" Plug (Square He	ad)		.80	9.80
			Total Material and Oti	ner	1,015.88
				111111111111111111111111111111111111111	
1 1	Permit	-414	60		60.00
1	Trench Safety and Pr	otection	75.	.00	75.00
٩	-901		SALE AMOUNT		
6) law For	18-24 4 1 10	-			
Thank You For Your Business	Visit us at our websit www.ojlaughlinplumbing		4.5 15 250 15		
Olowe 9			25. "(1.)		
-,7			TOTAL	- 31	

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605 Cherry Hill, NJ 08034

JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

	A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD					
CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173024	net due upon receipt	6/1/17	2
YTITMAUG	Ster Martin advantation	DESCRIPTION		UNITERI	CE AI	MOUNT
1 90 1 1 1 1 1 1 3 9 0.5	1 1 1 1 3 3	Compactor Usage Dump Fee Bore @ \$25,00 Per f Skidsteer Per Day Mini-Excavator Per Dump Truck Per Day Plumber At \$118.00 Plumber OT At \$140 Laborer with Service \$89.00 Per Hour Laborer with Service @ \$108.00 Per Hour Operator At \$83.00 Operator OT At \$126 Hour	Day  / Per Hour  1.00 Per Hour  Truck @  Truck OT  Per Hour	70 25 350 350 350 118 140 89	.00 .00 .00 .00 .00 .00	45.00; 70.00; 2,250.00; 350.00; 350.00; 350.00; 420.00; 420.00; 60.00; 60.00; 6,958.00
* mear	ns item is non-taxable					
	A.			SALE AMOUNT		7,973.88
Thank C	You For Business	Visit us at our websi www.ojlaughlinplumbing		8.11.2 ™	×	82.39
Ohou				TOTAL	\$	8,056.27



PAGE

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD CUSTOMER PURCHASE ORDER NO. SERVICE TECH, JOB# TERMS INVOICE DATE

MAWC	MAWC	173024	net due upon receipt	6/1/17	1
QUANTITY	DESCRIPTION	ON	UNIT PR	CE	AMOUNT
326 Edgewood To furnish lab  1 1 1 1 1 1 1 1 1 2 1 1 1 1 1 1 1	or and material to replace lead was 1" Flared Tee Had 3/4" Meter Yoke Fibre Meter Box Meter Cover or St. Louis County 1" Flared Angle 1" Type K Soft of Usage of Quick 1" Flared Angle 1" Copper M - Fared Copper Fittin (90-45-Coupling 1" Copper Fittin (St. 90 - St. 45) 1" Copper Redu 1" Type M Hard Usage Of String	lead  Lid y Stop-Box Stop Copper Plug Stop ETP Adapter gs gs) gs ccer / Bushing Copper	89 114 96 50 32 53 4 16 53 13	.58	89.58 114.81 96.25 50.46 32.87 53.56 435.00 16.90 53.56 13.95 4.93 34.16 6.67 44.20
1 1	Paste B-Tank (Usage) 1/2" Plug (Squa		5.	.51 .51 .80	5.51 5.51 9.80 1,067.72
Thank You For Business	Visit us at our w www.ojlaughlinplun		SALE AMOUNT		

TOTAL



INVOICE NO. 3172265

636-225-0992

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BILL TO:

Missouri American Water Co PO Box 5605 Cherry Hill, NJ 08034

JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

	A COMPLETE PLUMBING SERVICE ~SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD					
CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173024	net due upon receipt	6/1/17	2
YTITINAUC		DESCRIPTION		UNIT PRI	CE A	AMOUNT
1		Permit		60	00	60.00
1		Trench Safety and Prote	action		.00	60.00
1		Compactor Usage	scuon		.00	75.00° 45.00°
1		Dump Fee			.00	70.00
80		Bore @ \$25.00 Per Foot	-		.00	2,000.00
1		Mini-Excavator Per Day		350		350.00
1		Skidsteer Per Day		350		350.00
1		Dump Truck Per Day		350		350.00
15		Plumber At \$118.00 Per	Hour	118		1,770.00
3		Plumber OT At \$140.00		140		420.00
9		Laborer with Service Tru	uck @		140	
		\$89.00 Per Hour		89	.00	801.00 <sup>8</sup>
1		Laborer with Service Tru	uck OT		Tr.	
		@ \$108.00 Per Hour		108		108.00
3 0.5		Operator At \$83.00 Per		83.	.00	249.00
0.5		Operator OT At \$120.00	Per			
		Hour		120.	00	60.00 <sup>×</sup>
				Total Lat	or	6,708.00
	item is non-taxable			SALE AMOUNT		7 775 70
	There				442	7,775.72
Thank O	Jou From Business	Visit us at our website www.ojlaughlinplumbing.co	om /	8.17% Ta	<b>S</b>	86,59
O Your				TOTAL	\$	7,862.31

## O.J. LAUGHLIN PLUMBING COMPANY Juc.

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088 invoice

INVOICE NO. 3172266

636-225-0992

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BILL TO:

Missouri American Water Co PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVO	ICE DATE	PAG
MAWC		MAWC	173024	net due upon receip	t 6/1/	17	1
QUANTITY		DESCRIPTION		UNIT	RICE	AN	IOUNT
( :	322 Edgewood	)					
	To furnish labor and mat	/ erial to replace lead water :	service to house.				
1	l	1" Flared Tee Head			39.58		89.5
1		3/4" Meter Yoke			L4.81		114.8
1		Fibre Meter Box			96.25		96.2
1	_	Meter Cover or Lid			50.46		50.4
1	-	St. Louis County Stop			32.87		32.8
1		1" Flared Angle Stop			53.56		53.5
100		1" Type K Soft Coppe	er		4.35		435.0
1		Usage of Quick Plug			L6.90		16.9
1	=	1" Flared Angle Stop			53.56		53.5
1		1" Copper M - FIP Ac	apter		L3.95		13.9
3	3	1" Copper Fittings			4.00		
1		(90-45-Couplings)			4.93		14.7
1	L .	1" Copper Fittings (St. 90 - St. 45)			17.00		17.0
1		3/4" Male/Female Dia	alectic		17.08		17.0
1		Union	alectic		11.02		11.0
6	;	1" Type M Hard Copp	ner .		4.42		26.5
3		3/4" Type M Hard Copp			2.69		8.0
1		1/2" Plug (Square He			9.80		9.8
1		1" Copper Reducer /			6.67		6.6
1	-	B-Tank (Usage)	basining		5.51		5.5
1		Usage Of String Sold	er &		3.31		5.5
-	•	Paste	G1 G		5.51		5.5
				SALE AMOU	INT		
	You From Business			D-	100		_
. (	Offor 14	Visit us at our webs	ite	K . W . W . W	45		
The mole	Business	www.ojlaughlinplumbing			1 50 1		
1/11/1/1/1/1/							
Than	in Older	, ,	•	1 200	merchine of		

## O.J. AUGHLIN PLUMBING COMPANY

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

invoice

INVOICE NO. 3172266

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

п	A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ I	2004 CO - DEL 4000 DA - DOLLA	
п	A COMPLETE   E PLUMBING SERVICE ~ SINCE 1951 ~	HEPAIRS ~ HEMOUELING ~ PESIDEN	TIAL ~ COMMERCIAL ~ DESIGNAULD III.
		THE PROPERTY OF THE OFFICE	TO THE PERIOD IN THE PERIOD OF

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173024	net due upon receipt	6/1/17	2
QUANTITY		DESCRIPTION		UNITER	CE /	TNUOMA
				Total Material and Ot	her	1,061.91
1 1 1 1 1 80 15 3 9		Permit Trench Safety and Prote Compactor Usage Skidsteer Per Day Mini-Excavator Per Day Bore @ \$25.00 Per Foot Plumber At \$118.00 Per Plumber OT At \$140.00 Laborer with Service Tru \$89.00 Per Hour Laborer with Service Tru @ \$108.00 Per Hour Operator At \$83.00 Per Operator OT At \$120.00	: Hour Per Hour uck @ uck OT Hour	75 45 350 350 25 118 140 89	.00 .00 .00 .00 .00	60.00 75.00 45.00 350.00 350.00 2,000.00 1,770.00 420.00 801.00 108.00 249.00
		Hour		120 Total Lal	1	60.00 6,288.00
	s item is non-taxable			SALE AMOUNT		7,349.91
Thank 6	You For Business	Visit us at our website www.ojlaughlinplumbing.co	om	るバル Ta	×	86.12
Oloro				TOTAL	\$	7,436.03



306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

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JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	108#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173024	net due upon receipt	6/1/17	1
QUANTITY		DESCRIPTION		UNITER	CE A	VOUNT
10 2 11	1 1 1 1 1 1 1 1 7 1 1 1 2 1	1" Flared Tee Head 3/4" Meter Yoke Fibre Meter Box Meter Cover or Lid St. Louis County Sto 1" Flared Angle Stop 1" Type K Soft Copp Usage of Quick Plug Rock Per Ton 1" Flared Angle Stop 1" Copper M - FIP Ar 1" Copper Fittings (90-45-Couplings) 1" Copper Fittings (St. 90 - St. 45) 1" Copper Reducing 1" Type M Hard Cop 3/4" C x C Copper C Usage Of String Solo Paste B-Tank (Usage)	p-Box er dapter Tee per	114 96 50 32 53 4 16 10 53 13 4 17 20 4	.25 .46 .87 .56 .35 .90 .65 .56 .95 .93 .08 .47 .42 .18	89.58 114.81 96.25 50.46 32.87 53.56 261.00 16.90 74.55 53.56 13.95 9.86 17.08 20.47 44.20 4.36 5.51 5.51
Thank!	You For Business	Visit us at our webs www.ojlaughlinplumbing		SALE AMOUNT		

## O.J. LAUGHLIN PLUMBING COMPANY Guc.

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INVOICE NO. 3172267

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

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314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173024	net due upon receipt	6/1/17	2
NUANTITY	rin As	DESCRIPTION		UNIT PRI	CE A	OUNT
1 1 1 1 1 50 13 2 7 3 0.5		Permit Compactor Usage Trench Safety and Pro Dump Fee Mini-Excavator Per Day Skidsteer Per Day Dump Truck Per Day Bore @ \$25.00 Per For Plumber At \$118.00 Per Plumber OT At \$140.0 Laborer with Service 1 \$89.00 Per Hour Operator At \$83.00 Per Operator OT At \$120.0 Hour	oot er Hour OO Per Hour Truck @ er Hour	45 75 70 350 350 350 25 118	.00 .00 .00 .00 .00 .00	60.00 45.00 75.00 350.00 350.00 350.00 2,250.00 2,250.00 623.00 249.00 60.00
-	s item is non-taxable			SALE AMOUNT		5,260.48
Thank 6	You For Business	Visit us at our websit www.ojlaughlinplumbing		PUL Ta		78.22
How	So.	, , , ,		TOTAL	\$6	,338.70



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MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAG
MAWC		MAWC	173024	net due upon receipt	6/1/17	1
YTITAAUC		DESCRIPTION		UNIT PRI	CE AN	OUNT
	316 Edgewood				-10 (	
	Fo furnish Jahor and ma	terial to replace lead water s	antico to house			
		certai to replace lead water 5	ervice to nouse.		1	
1		1" Flared Tee Head			.58	89.5
1		3/4" Meter Yoke		114		114.8
1		Fibre Meter Box			.25	96.2
1		Meter Cover or Lid St. Louis County Stop	Pov		.46	50.4
100		1" Type K Soft Copper			.87 .35	32.87
1		1" Flared Angle Stop			.56	435.00 53.50
1		Usage of Quick Plug			.90	16.90
1		1" Flared Angle Stop			.56	53.56
1		1" Copper M - FIP Ada	apter		.95	13.95
2		1" Copper Fittings		13	.55	10.00
		(90-45-Couplings)		4	.93	9.86
1		1" Copper Reducer / E			.67	6.67
1		1/2" Plug (Square Hea		9	.80	9.80
2		1" Type M Hard Coppe			42	8.84
1		Usage Of String Solde	r &		10	
		Paste			.51	5.51
1		B-Tank (Usage)		5.	.51	5.51
				Total Material and Oti	ner 1	<b>,003.1</b> 3
1		Permit		60.	00	60.00
1		Compactor Usage		45.		45.00
				SALE AMOUNT		
	You For Business					
6	0 600	Visit us at our website		A	11.0	
of wok	So winess	www.ojlaughlinplumbing.				
Than	(0)010m	www.ojiaugniinpiumping.	COIII			
Olour				TOTAL		
0				TOTAL.		



306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

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Cherry Hill, NJ 08034

JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

	A COMPLETE PLUMBING	TE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNIBUILD					
CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH:	JOB#	TERMS	INVOICE DATE	PAGE	
MAWC		MAWC	173024	net due upon receipt	6/1/17	2	
QUANTITY		DESCRIPTION		UNITER	OE	AMOUNT	
1 1 80 15 3 9 1 3 0.5	s item is non-taxable	Trench Safety and Pr Skidsteer Per Day Mini-Excavator Per D Bore @ \$25.00 Per F Plumber At \$118.00 I Plumber OT At \$140. Laborer with Service \$89.00 Per Hour Laborer with Service @ \$108.00 Per Hour Operator At \$83.00 P Operator OT At \$120 Hour	ay oot Per Hour 00 Per Hour Truck @ Truck OT	350 350	.00 .00 .00 .00 .00 .00	75.00° 350.00° 350.00° 2,000.00° 1,770.00° 420.00° 801.00° 108.00° 249.00° 60.00° 6,288.00	
				SALE AMOUNT		7,291.13	
,6	You Trov Business	Visit us at our websi		8.11 % Ta	×	81.35	
Thomas	Bushin	www.ojlaughlinplumbing	.com	War and the same of the same o	Mary Control		

SEE REVERSE SIDE FOR LIEN CLAUSE

\$7,372.48

TOTAL



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BILL TO:

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JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH,	JOB#	TEAMS	INVOICE DATE	PAG
MAWC		MAWC	173024	net due upon receipt	6/1/17	1
YTITANUC		DESCRIPTION		UNITER	CE AN	TOUNT
(		erial to replace lead water s	ervice to house.	90	.58	89.58
1		3/4" Meter Yoke		114		114.81
1					.25	96.25
1 1		Meter Cover or Lid St. Louis County Stop	-Boy		.46 .87	50.46 32.87
1		1" Flared Angle Stop	-DOX		.56	53.56
1		1" Flared Coupling		27.	.55	27.55
100		1" Type K Soft Coppe	r	4.	.35	435.00
1		1" Copper Fittings (90-45-Couplings)		4	.93	4.93
1		1" Copper M - FIP Ad	apter		.95	13.95
5		1" Type M Hard Copp	er		.42	22.10
1		Usage Of String Solde	er &	_	_   4   4	
1		Paste B-Tank (Usage)			.51	5.51
1		b-Tank (Usage)		5.	.51	5,51
				Total Material and Oti	ner	952.08
1		Permit		60.	.00	60.00
1		Compactor Usage		45.		45.00
1 1		Trench Safety and Pro Skidsteer Per Day	otection	75. 350.		75.00
1		Mini-Excavator Per Day	ay	350.		350.00 350.00
	to the second			SALE AMOUNT		
Munk (	You For Business	Visit us at our websit				
O low	Oplan	www.ojiaugiiiiipiaiiibitig			10 Vel	-
9				TOTAL		



invoice

INVOICE NO. 3172269

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD

MAWC  DESCRIPTION  Bore @ \$25.00 Per For Plumber At \$118.00 For Plumber OT At \$140.00 For Plumber With Service of Plumber With	Per Hour 00 Per Hour	net due upon receipt  UNIT PRI  25. 118 140.	.00 2	L,770.00*
Bore @ \$25.00 Per Fo Plumber At \$118.00 F Plumber OT At \$140.	Per Hour 00 Per Hour	25. 118	.00 2	2,000.00* L,770.00*
Plumber At \$118.00 F Plumber OT At \$140.	Per Hour 00 Per Hour	118	.00	•
Plumber At \$118.00 F Plumber OT At \$140.	Per Hour 00 Per Hour	118	.00	L,770.00* 420.00*
Plumber OT At \$140.	00 Per Hour		0.00	•
•				42U.UU*
	Truck @		118	
\$89.00 Per Hour	-	89.	.00	801.00*
Laborer with Service	Truck OT		100	
@ \$108.00 Per Hour		108	.00	108.00*
		83.	.00	249.00*
•	.00 Per		300	
Hour		120	.00	60.00*
		Total Lai	bor 6	5,288.00
	Laborer with Service @ \$108.00 Per Hour Operator At \$83.00 P	Laborer with Service Truck OT @ \$108.00 Per Hour Operator At \$83.00 Per Hour Operator OT At \$120.00 Per	Laborer with Service Truck OT  @ \$108.00 Per Hour  Operator At \$83.00 Per Hour  Operator OT At \$120.00 Per  Hour  120	Laborer with Service Truck OT  © \$108.00 Per Hour  Operator At \$83.00 Per Hour  Operator OT At \$120.00 Per  Hour  108.00  108.00  120.00

\* means item is non-taxable

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TOTAL \$7,317.29



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INVOICE NO. 3172270

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

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BILL TO:

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JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAG
MAWC		MAWC	173024	net due upon receipt	6/1/17	1
YTITMAUC		DESCRIPTION		UNITER	ICE A	MOUNT
	313 Edgewood					
	_					
	to turnish labor and ma	terial to replace lead water se	ervice to nouse.			
1		1" Flared Tee Head			.58	89.58
1 1		3/4" Meter Yoke Fibre Meter Box		114	.25	114.8: 96.2!
1		Meter Cover or Lid			.46	50.46
1		St. Louis County Stop-	Box		.87	32.8
1		1" Flared Angle Stop			.56	53.5
60		1" Type K Soft Copper			.35	261.0
1		Usage of Quick Plug			.90	16.9
1		1" Flared Angle Stop	_4		.56	53.5
1		1" Copper M - FIP Ada 1" Copper Fittings	pter	13	.95	13.9
J	,	(90-45-Couplings)		4	.93	14.7
1		3/4" Male/Female Dial	ectic	·	.55	11.7.
		Union		11	.02	11.0
1		1" Copper Reducer / B		6	.67	6.6
10		1" Type M Hard Coppe			.42	44.2
6		3/4" Type M Hard Cop		2	.69	16.1
1		Usage Of String Solder Paste	r &L	5	.51	5.5
1		B-Tank (Usage)			.51	5.5 5.5
1		1/2" Plug (Square Hea	d)		.80	9.8
				Total Material and Ot	hou	896,58
				Total Material and Ot	ilei	050.50
				1000000000		
	Thenk			SALE AMOUN		
- la (	Jou For Business	Visit us at our website		100		
Thank	Bush	www.ojlaughlinplumbing.	com		1.5	
Olow	r			TOTAL		
-				TOTAL		



636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605

Cherry Hill, NJ 08034

INVOICE NO. 3172270

JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNABUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173024	net due upon receipt	6/1/17	2
DU-NTITY.		DESCRIPTION		UNIT PR	CE AN	JOUNT
1 1 1 1 50 13 2 7		Permit Compactor Usage Trench Safety and Pro Skidsteer Per Day Mini-Excavator Per Day Bore @ \$25.00 Per For Plumber At \$118.00 Per Plumber OT At \$140.00 Laborer with Service T \$89.00 Per Hour Operator At \$83.00 Per Operator OT At \$120.00 Hour	y ot er Hour O Per Hour ruck @ r Hour	45 75 350 350	.00 .00 .00 .00 .00 .00 .00 .00 .00	60.00; 45.00; 75.00; 350.00; ,250.00; ,250.00; ,534.00; 280.00; 623.00; 649.00; 60.00;
-	item is non-taxable			SALE AMOUNT	5	,772.58
Thank 6	You From Business	Visit us at our website www.ojlaughlinplumbing.		8 H / Tax	/ Sept.	72.71
Wow!				TOTAL	¢5	,845.29



invoice

INVOICE NO. 3172271

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BILL TO:

Missouri American Water Co PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD CUSTOMER PURCHASE ORDER NO. SERVICE TECH. JOB# INVOICE DATE TERMS PAGE MAWC MAWC 173024 net due upon receipt 6/1/17 1 QUANTITY DESCRIPTION UNIT PRICE AMOUNT 308 Edgewood To furnish labor and material/to replace lead water service to house. 1" Flared Tee Head 89.58 89.58 1 3/4" Meter Yoke 114.81 114.81 1 Fibre Meter Box 96.25 96.25 1 Meter Cover or Lid 50.46 50.46 1 St. Louis County Stop-Box 32.87 32.87 1 1" Flared Angle Stop 53.56 53.56 100 1" Type K Soft Copper 4.35 435.00 1 1" Flared Angle Stop 53.56 53.56 1 1" Copper M - FIP Adapter 13.95 13.95 1 1" C x C Copper Tee 20.40 20.40 2 1" Copper Fittings (90-45-Couplings) 4.93 9.86 1 1" Copper Fittings (St. 90 - St. 45) 17.08 17.08 10 1" Type M Hard Copper 4.42 44,20 1 1" C x C Copper Cap 5.15 5.15 1 3/4" Plug (Square Head) 11.49 11.49 1 Usage Of String Solder & **Paste** 5.51 5.51 1 B-Tank (Usage) 5.51 5.51 Total Material and Other 1,059.24 Thank Gyou From Gyour Business Gyour SALE AMOUNT Visit us at our website www.ojlaughlinplumbing.com TOTAL



invoice

INVOICE NO. 3172271

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Edgewood Dr. PO#: 5000073398 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH,	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173024	net due upon receipt	6/1/17	2
QUANTITY		DESCRIPTION	W/ 1	UNIT PR	CE A	MOUNT
1		Permit		60.		60.00
1		Compactor Usage Trench Safety and Prote	action	45.		45.00
		Mini-Excavator Per Day		75. 350.		75.00 <sup>3</sup>
1		Skidsteer Per Day		350.		350.00
90		Bore @ \$25.00 Per Foot	t	25.		2,250.00
17		Plumber At \$118.00 Per		118.		2,006.00
4		Plumber OT At \$140.00		140.		560.00°
11		Laborer with Service Tr	uck @		100	
2		\$89.00 Per Hour		89.	.00	979.00
2		Laborer with Service Tr	uck OT	400		
3		@ \$108.00 Per Hour Operator At \$83.00 Per	Hour	108. 83.		216.00
0.5		Operator OT At \$120.00		03.	.00	249.00°
		Hour	7 1 61	120.	.00	60.00
				Total Lab	oor	7,200.00
* mean	s item is non-taxable					
				SALE AMOUNT		0.050.04
	You For Business					8,259.24
6	a low story	Visit us at our website		S IV 7 Tax	x	85.90
Monk	Business	www.ojlaughlinplumbing.c	om	8,41/.19	3	55.50
(a) four	1 Down	www.ojiaagimipiaiibiiig.o	···	Wash Branch	Carlot Carlot	
OGold				TOTAL		
				TOTAL	\$	8,345.14

SEE REVERSE SIDE FOR LIEN CLAUSE

MAWC southwest operations
Schedule JAM-r6



ST. LOVIS OPERATIONS

INVOICE NO. 3172119

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD CUSTOMER PURCHASE ORDER NO SERVICE TECH. TERMS INVOICE DATE PAGE JOB# MAWC MAWC 173017 net due upon receipt 5/23/17 1 QUANTITY UNIT PRICE DESCRIPTION AMOUNT 23 Arundel To furnish labor and material to replace lead water service to house. 1 1" Flared Angle Stop 53.56 53.56 1 1" Copper M - FIP Adapter 13.95 13.95 1" Copper Fittings 3 (90-45-Couplings) 4.93 14.79 2 1" Copper Fittings (St. 90 - St. 45) 17.08 34.16 12 1" Type M Hard Copper 4.42 53.04 1 1" Copper Reducing Tee 20.47 20.47 1 Usage Of String Solder & **Paste** 5.51 5.51 2 B-Tank (Usage) 5.51 11.02 1 3/4" Brass Cap 3.21 3.21 3/4" Plug (Square Head) 1 11.49 11.49 1" Flared Tee Head 89.58 1 89.58 1 3/4" Meter Yoke 114.81 114.81 Fibre Meter Box 96.25 96.25 1 Meter Cover or Lid 50.46 50.46 1 St. Louis County Stop-Box 32.87 32.87 1" Flared Angle Stop 1 53.56 53.56 100 435.00 1" Type K Soft Copper 4.35 Usage of Quick Plug 1 16.90 16.90 5 Rock Per Ton 53.25 10.65 SALE AMOUNT Thank You Fusiness Your Business Visit us at our website www.ojlaughlinplumbing.com **TOTAL** 



636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

INVOICE NO. 3172119

JOB:

MAWC - Arundel Pl. PO#: 5000071240

Clayton, MO 63105

CUSTOMER"	PURCHASE ORDER NO.	SERVICE TECH,	JQB#	TERMS	INVOICE DATE	PAGI
MAWC		MAWC	173017	net due upon receipt	5/23/17	2
UANTITY	1 ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	DESCRIPTION		UNIT PR	ICE .	AMOUNT
				Total Material and Ot	her	1,163.88
1		Permit		60	.00	60.00
1		Concrete Saw Per Da	ау	350		350.00
1		Dump Fee			.00	70.00
1		Trench Safety and P	rotection		.00	75.00
1 80		Compactor Usage			.00	45.00
1		Bore @ \$25.00 Per F Skidsteer Per Day	-00T		.00	2,000.00
1		Mini-Excavator Per D	)av	350 350		350.00
19,5		Laborer with Service		330	.00	350.00
		\$89.00 Per Hour	_	89	.00	1,735.50
1.5		Laborer with Service				•
		@ \$108.00 Per Hour		108		162.00
13 1		Operator At \$83.00   Operator OT At \$120		83	.00	1,079.00
_		Hour	7.00 PEI	120	00	120.00
1		Dump Truck Per Day	,	350		350.00
21.5		Plumber At \$118.00		118		2,537.00
2.5		Plumber OT At \$140		140		350.00
				Total La	bor	9,633.50
* means	item is non-taxable					
	N.			SALE AMOUNT		10,797.38
Thank Q	Jou Fror Business	Visit us at our webs www.ojlaughlinplumbin		8.117° Ta	ıx	94.39
House	<b>y</b> M.			TOTAL	\$:	10,891.77

SEE REVERSE SIDE FOR LIEN CLAUSE

MAVVC southwest operations Schedule JAM-r6



invoice

INVOICE NO.

3172120

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240

Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JØB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/23/17	1
YTITMAUC		DESCRIPTION		UNIT PRI	GE AM	TNUC
	24 Arundel					
(	)					
	To furnish labor and ma	terial to replace lead water	service to house.			
	1	1-1/2" Gate Valve		42	2.55	42.55
1	1	1-1/2" Copper Fittin	gs			
		(St. 90 - St. 45)			5.33	26.33
	1	1-1/2" Copper Redu			2.02	32.02
_	1	1/2" Boiler Drain / H			11	11.1
	1	1-1/2" C x C Copper			.08	10.08
	2	1-1/2" Type L Hard		10	0.46	20.92
1	1	Usage Of String Solo	der &			
		Paste			5.51	5.51
	1	B-Tank (Usage)			5.51	5.5
_	1	1" Flared Tee Head			0.58	89.58
	1	3/4" Meter Yoke		114		114.81
	1	Fibre Meter Box			5.25	96.25
	1	Meter Cover or Lid			0.46	50.46
_	1	St. Louis County Sto			87	32.87
_	1	1" Flared Angle Stop			3.56	53.56
100		1" Type K Soft Copp	er		.35	435.00
5	5	Rock Per Ton		10	.65	53.25
				Total Material and Ot	her 1	,079.81
1	1	Permit		60	.00	60.00
	1	Dump Fee			.00	70.00
		p				70,00
				SALE AMOUNT		
	Trov Business			4		
- (	a low grown	Visit us at our webs	ite			
Ti unk	Disines?	www.ojlaughlinplumbin		1 Jan 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Olha	O Octo	www.ojidagriiripiarribiir	9.00111	S. 18. 18. 18. 18. 18. 18. 18. 18. 18. 18	B-464	
Ollow				TOTAL	- 11	
U				TOTAL		

3172120



306 Saint Louis Avenue

VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605 Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

INVOICE NO.

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH,	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/23/17	2
YTITMAUG		DESCRIPTION		UNITERI	CE AI	VOUNT
1		Tronch Safab, and Dr	estaction	<b>&gt;</b>	00	75.00
1		Trench Safety and Pr Compactor Usage	otection		.00 .00	75.00 45.00
1		Skidsteer Per Day		350		350.00
1		Mini-Excavator Per Da		350		350.00
1		Dump Truck Per Day		350		350.00
80 17.5		Bore @ \$25.00 Per Fo				2,000.00
2.5		Plumber At \$118.00 F Plumber OT At \$140.		118		2,065.00
13		Operator At \$83.00 P	oo Per Hour	140 83		350.00 1,079.00
1		Operator OT At \$120		65	,00	1,079.00
		Hour		120	.00	120.00
19.5	i	Laborer with Service	Truck @		_ 1	
1.5	:	\$89.00 Per Hour	Two obs	89	.00	1,735.50
1.5		Laborer with Service  @ \$108.00 Per Hour	Truck OT	108.	00	163.00
		@ \$100.00 FEI HOUI		100.	.00	162.00
				Total Lak	oor	8,811.50
						•
					- 1	
					- 1	
					12	
					- 1	
* mean	s item is non-taxable					
				SALE AMOUNT		9,891.31
	Tron			0	North Control	1031,31
	you all	Visit us at our websit	te	8.11% Ta	Κ.	87.57
Thank (	Bushin	www.ojlaughlinplumbing	.com	1	1000	
Thank O	Bushin	www.ojlaughlinplumbing	.com	TOTAL	in late	



306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

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BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNAUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAG
MAWC		MAWC	173017	net due upon receipt	5/23/17	1
YTITIANU		DESCRIPTION		UNIT,PRI	OE AI	MOUNT
2	26 Arundel					
( ,	To furnish labor and ma	terial to replace lead water s	envice to house			
	o furnish labor and ma	•	ervice to flouse.		1	
1		1" Flared Angle Stop 1" Copper M - FIP Ada	anto.		.56 .95	53.56 13.95
2		1" Copper Fittings	aptei	13	.95	13.93
		(90-45-Couplings)			.93	9.86
1 10		1" Copper Reducer / E 1" Type M Hard Coppe			.67 .42	6.67 44 <b>.</b> 20
10		Usage Of String Solde		T-	.42	44.20
		Paste			.51	5.51
2 1		B-Tank (Usage) 1" Flared Tee Head			.51 .58	11.02
1		3/4" Meter Yoke		114		89.58 114.81
1		Fibre Meter Box		96.	.25	96.25
1		Meter Cover or Lid St. Louis County Stop	Pay		.46 .87	50.46
1		1" Flared Angle Stop	-DUX		.56	32.87 53.56
100		1" Type K Soft Coppe	r	4.	.35	435.00
1 5		Usage of Quick Plug Rock Per Ton			.90	16.90
5		ROCK PER TOR		10	.05	53.25
				Total Material and Oth	ner :	1,087.45
1		Permit		60.	.00	60.00
1		Trench Safety and Pro	otection	75.	.00	75.00
				SALE AMOUNT	г	
	You From Business	Mait was at aux wahai	to.	7-77-2-2-3		
Thank!	Business	Visit us at our websi www.ojlaughlinplumbing			= 1	
Olow	NE SO			TOTAL		
0				TOTAL	- 14	



636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

INVOICE NO.

3172121

JOB:

MAWC - Arundel PI. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/23/17	2
DUANTITY		DÉSCRIPTION	An Section 1	UNIT PR	CE AN	OUNT
1 1 1 1 100 17.5 2.5 13 1 19.5 1.5	item is non-taxable	Dump Fee Concrete Saw Per Day Compactor Usage Skidsteer Per Day Mini-Excavator Per D Dump Truck Per Day Bore @ \$25.00 Per F Plumber At \$118.00 Plumber OT At \$140. Operator At \$83.00 F Operator OT At \$120 Hour Laborer with Service \$89.00 Per Hour Laborer with Service @ \$108.00 Per Hour	ay oot Per Hour 00 Per Hour Per Hour 1.00 Per Truck @	350. 45. 350. 350. 350.	00	70.00* 350.00* 45.00* 350.00* 350.00* 350.00* ,065.00* 120.00* 120.00* 162.00*
				SALE AMOUNT	10,	748.95
Thank 6	You For Business	Visit us at our webs www.ojlaughlinplumbin		8.H% Ta	12.	88.19
Oyour				TOTAL		



306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD

DUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAG
MAWC	\$ ** *********************************		173017	net due upon receipt	5/23/17	1
QUANTITY		DESCRIPTION		UNIT PR	IOE .	TNUOMA
	28 Arundel					
1	To furnish labor and ma	terial to replace lead water se	rvice to house.			
1		1" Flared Angle Stop		53	.56	53.56
1		1" Copper M - FIP Ada	pter	13	.95	13.9
2		1" Copper Fittings (90-45-Couplings)		4	.93	9.86
1		1" Copper Reducing Te	ee		.47	20.4
10		1" Type M Hard Coppe		4	.42	44.20
1		Usage Of String Solder Paste	· &	5	.51	5.5
2		B-Tank (Usage)		-	.51	11.0
2		1/2" Brass Cap			.14	6.2
2		Brass Nipple 1/2x4" 1" Flared Tee Head			.58 .58	33.16 89.5
1		St. Louis County Stop-	Box		.87	32.8
60		1" Type K Soft Copper		4	.35	261.0
1 5		1" Flared Coupling Rock Per Ton			.55 .65	27.5. 53.2.
5		ROCK PEL TOTI		10	.03	33.2
				Total Material and Ot	her	662.20
1		Permit			.00	60.00
1		Dump Fee			.00	70.00
40 1		Bore @ \$25.00 Per Foo Trench Safety and Pro			.00	1,000.00 75.00
						, , ,
		-11		SALE AMOUN	r,	
	You For Business					-
le	Woll iness	Visit us at our website				
Thank	98 WW	www.ojlaughlinplumbing	com		100	
(a) low				TOTAL		



INVOICE NO. 3172122

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

	L	The same of the sa		ITIAL~COMMERCIAL~DESIGN		
CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGE
MAWC			173017	net due upon receipt	5/23/17	2
QUANTITY		DESCRIPTION		UNIT PR	ICE AW	OUNT
1 1 1 17.5 2.5 14 19.5 1.5	s item is non-taxable	Compactor Usage Skidsteer Per Day Mini-Excavator Per Day Dump Truck Per Day Plumber At \$118.00 F Plumber OT At \$140.0 Operator At \$83.00 Pe Laborer with Service \$89.00 Per Hour Laborer with Service @ \$108.00 Per Hour	Per Hour 20 Per Hour er Hour Truck @	350 350 350 118 140 83	.00 .00 .00 .00 .00 .00 .00 1	45.00° 350.00° 350.00° 350.00° ,065.00° ,162.00° ,735.50° 162.00°

Thank You For Your Business

Visit us at our website www.ojlaughlinplumbing.com

8,436.76 53.71 **TOTAL** \$8,490.47

### O.J. LAUGHLIN SINCE 1981 PLUMBING COMPANY Suc.

invoice

INVOICE NO.

3172140

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Arundel Pl, PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/23/17	1
DUANTITY		DESCRIPTION		UNIT PR	ICE A	MOUNT
	35 Arundel					
	To furnish labor and ma	terial to replace lead water se	rvice to house.			
1		1" Copper Fittings				4.00
1		(90-45-Couplings) 1" Copper Reducer / B	uchina		1.93 5.67	4.93 6.67
1		3/4" Copper Fittings	usillig		,,	0.07
		(90-45-Couplings)			3.59	3.59
2		1" Type M Hard Coppe	r	4	1.42	8.84
1	•	Usage Of String Solder Paste	· &	r	5.51	5.51
2		B-Tank (Usage)			5.51	11.02
1		1" Flared Tee Head			9.58	89.58
1		3/4" Meter Yoke			1.81	114.81
1		Fibre Meter Box Meter Cover or Lid			5.25 0.46	96.25 50.46
1		St. Louis County Stop-	Box		2.87	32.87
1		1" Flared Angle Stop	30%		3.56	53.56
100	)	1" Type K Soft Copper			1.35	435.00
1		Usage of Quick Plug			5.90	16.90
9	)	Rock Per Ton		10	).65	53.25
				Total Material and O	ther	983.24
1		Permit		60	0.00	60.00
1		Trench Safety and Pro	tection	75	5.00	75.00
				SALE AMOUN	T.	
	OTrov				70	
(	You From Business	Visit us at our website				
Thank	Bushin	www.ojlaughlinplumbing.	com		100	
(a) foll				TOTAL		

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGE
/AWC		MAWC	173017	net due upon receipt	5/23/17	2
QUANTITY		DESCRIPTION	19	UNIT P	RICE	TNUOMA
		Dump Fac		7	0.00	70.00*
1 1		Dump Fee Compactor Usage			5.00	45.00
1		Skidsteer Per Day			0.00	350.00
1		Mini-Excavator Per Day	/		0.00	350.00
1		Dump Truck Per Day			0.00	350.00
80		Bore @ \$25.00 Per Foo			5.00	2,000.00
20		Plumber At \$118.00 Pe			8.00	2,360.00
2.5		Plumber OT At \$140.0			0.00	350.00
13.5		Operator At \$83.00 Pe		8	3.00	1,120.50
1		Operator OT At \$120.0 Hour	ių Per	12	0.00	120.00
20		Laborer with Service T	ruck @	12	5.00	120.00
		\$89.00 Per Hour		8	9.00	1,780.00
1.5		Laborer with Service T	ruck OT			,
		@ \$108.00 Per Hour		10	8.00	162.00
				Total L	abor	9,192.50
	Jou For Business	Visit us at aux wobait		SALE AMOU		.0,175.74 79.74
Thank	Business	Visit us at our websit www.ojlaughlinplumbing		847	ax	79.74
Oyou!	40-			TOTAL		.0,255.48



invoice

INVOICE NO. 3172141

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

VALLEY PAINT, MIGGOOTH

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

	A COMPLETE PLUMBING	SERVICE~SINCE 1951~REPAIRS~F	REMODELING ~ RESIDENT	TAL~COMMERCIAL~DESIGNA	3UILD	
CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	+ JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/23/17	1
QUANTITY		DESCRIPTION		UNIT PR	ICE /	AMOUNT
					1	
( 3	88 Arundel					
	". C Sala la facio a contra cont	. (.)				
ı	o turnish labor and mat	erial to replace lead water s	ervice to nouse.		1	
1		1" Flared Angle Stop		53	.56	53.56
1		1" Copper M - FIP Ada	apter		.95	13.95
1		1" Copper Fittings	, <b>'</b>			
		(90-45-Couplings)	*	4	.93	4.93
1		3/4" Male/Female Dia	lectic			
		Union		11	.02	11.02
1		1" Copper Reducer / I	Bushing	6	.67	6.67
1		1" Copper Fittings	_			
		(St. 90 - St. 45)		17	.08	17.08
15		1" Type M Hard Copp	er	4	.42	66.30
1		Usage Of String Solde	er&		I	
		Paste		5	.51	5.51
2		B-Tank (Usage)		5	.51	11.02
1		1" Flared Tee Head		89	.58	89.58
1		3/4" Meter Yoke		114		114.81
1		Fibre Meter Box			.25	96.25
1		Meter Cover or Lid			.46	50.46
1		St. Louis County Stop	-Box		.87	32.87
1		1" Flared Angle Stop			.56	53.56
100		1" Type K Soft Coppe	r		.35	435.00
1		Usage of Quick Plug			.90	16.90
5		Rock Per Ton		10	.65	53.25
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				The same of the sa		
				SALE AMOUN	4	
	OFOR					
. (	Olou JA	Vísit us at our websi	te	3/1	12	
Thunk	Took Business	www.ojlaughlinplumbing		w-Bereit Transfer	A4116	
O Land	k gov					
Olow				TOTAL		
2				TOTAL		

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DAT	PAGE
MAWC		MAWC	173017	net due upon receipt	5/23/17	2
YTITMAUG		DESCRIPTION	Mark State	UNIT PR	ICE .	AMOUNT
				Total Material and Ot	her	1,132.72
1 1 100 1 1 1 21.5 3		Permit Dump Fee Trench Safety and Protection Bore @ \$25.00 Per Foot Compactor Usage Skidsteer Partial Day Mini-Excavator Per Day Dump Truck Per Day Plumber At \$118.00 Per Hour Plumber OT At \$140.00 Per Hour Operator OT At \$120.00 Per Hour Laborar with Service Truck @	70 75 25 45 120 350 350 118 140	.00 .00 .00	60.00 <sup>2</sup> 70.00 <sup>3</sup> 75.00 <sup>3</sup> 2,500.00 <sup>3</sup> 45.00 <sup>3</sup> 350.00 <sup>3</sup> 350.00 <sup>3</sup> 2,537.00 <sup>3</sup> 420.00 <sup>3</sup> 1,079.00 <sup>3</sup>	
2 Operator OT Hour 19.5 Laborer with \$89.00 Per H 2 Laborer with	Operator OT At \$120.00	) Per uck @	120 89 108	.00	240.00 <sup>3</sup> 1,735.50 <sup>3</sup> 216.00 <sup>3</sup>	
				Total La	bor	9,797.50
	s ítem is non-taxable			SALE AMOUN	Ť	10,930.22
Thank (	Thank How Bustiness	Visit us at our website www.ojlaughlinplumbing.o		8.11 % Ta	×	91,86
Mount				TOTAL		511,022.08



306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH:	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/24/17	1
YTITABLE	\$ 2 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	DESCRIPTION		UNIT PR	ICE A	VIOUNT
4	0 Arundel					
(	)				4	
T	o furnish labor and mat	erial to replace lead water	r service to house.			
1		1" Copper C x C Sle	eve /			
1		Less Stop 1" Copper Fittings		7	.03	7.03
1		(90-45-Couplings)		4	.93	4.93
2		1" Type M Hard Cop	pper	4	.42	8.84
1		Usage Of String Sol Paste	der &	5	.51	5.51
2		B-Tank (Usage)			.51	11.02
1		1" Flared Tee Head			.58	89.58
1		3/4" Meter Yoke Fibre Meter Box		114	.81 .25	114.81 96.25
1		Meter Cover or Lid			.46	50.46
1		St. Louis County Sto			.87	32.87
1 100		1" Flared Angle Sto 1" Type K Soft Copp			.56 .35	53.56 435.00
100		Usage of Quick Plug			.90	16.90
5		Rock Per Ton		10	.65	53.25
				Total Material and Ot	her	980.01
1		Permit		60	.00	60.00
1		Trench Safety and f	Protection		.00	75.00
1		Dump Fee		70	.00	70.00
				SALE AMOUN	7	
	News			Sites rigidon		_
lo.	You From Business	Visit us at our web				
Than	OBUNIT .	www.ojlaughlinplumbi	ng.com	345 Th		
Ogo				TOTAL		



invoice

INVOICE NO.

172142

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

USTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGE
IAWC		MAWC	173017	net due upon receipt	5/24/17	2
UANTITY		DESCRIPTION		UNIT PR	IGE AN	OUNT
1 1 1 100 17.5 3 13 1 19.5 1	s item is non-taxable	Compactor Usage Skidsteer Per Day Mini-Excavator Per Day Bore @ \$25.00 Per For Plumber At \$118.00 For Plumber OT At \$140. Operator At \$83.00 For Operator OT At \$120 Hour Laborer with Service \$89.00 Per Hour Laborer with Service \$89.00 Per Hour	oot Per Hour 00 Per Hour Per Hour 1.00 Per Truck @	350 350 350 25 118 140 83	.00 .00 .00 .00 .00 .00 .00 .00 .00	45.00* 350.00* 350.00* 350.00* 3,500.00* 420.00* 120.00* 1,735.50* 108.00*
	You For Business			SALE AMOUN	10	,307.51
Thunk C	Business	Visit us at our webs www.ojlaughlinplumbin		8.112. Ta	DX.	79.48
O fault	,90					_

# PLUMBING COMPANY

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

INVOICE NO. 3172143

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD INVOICE DATE PAGE CUSTOMER TERMS PURCHASE ORDER NO. SERVICE TECH. JOB# MAWC MAWC 173017 net due upon receipt 5/24/17 1 AMOUNT UNIT PRICE QUANTITY DESCRIPTION 44 Arundel To furnish labor and material to replace lead water service to house. 1" Flared Angle Stop 53.56 53.56 1 13.95 13.95 1 1" Copper M - FIP Adapter 2 1" Copper Fittings 4.93 9.86 (90-45-Couplings) 1" Copper Fittings 1 17.08 (St. 90 - St. 45) 17.08 9.80 1/2" Plug (Square Head) 9.80 1 44.20 10 1" Type M Hard Copper 4.42 1 Usage Of String Solder & 5,51 5.51 Paste 5.51 11.02 2 B-Tank (Usage) 1" Flared Tee Head 89.58 89.58 1 114,81 3/4" Meter Yoke 114.81 1 50.46 50.46 Meter Cover or Lid 1 96.25 96.25 Fibre Meter Box 1 St. Louis County Stop-Box 32.87 32.87 1 1" Flared Angle Stop 53.56 53.56 1 435.00 100 1" Type K Soft Copper 4.35 16.90 16.90 Usage of Quick Plug 1 53.25 10.65 5 Rock Per Ton 1,107.66 Total Material and Other SALE AMOUNT Thank You For Your Business Visit us at our website www.ojlaughlinplumbing.com **TOTAL** 



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JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNABUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH,	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/24/17	2
YTTMAUG		DESCRIPTION		UNIT PR	ICE AI	VOUNT
1		Permit		60	.00	60.00*
1		Dump Fee		70		70.00*
1		Trench Safety and Pro	tection	75		75.00 <sup>*</sup>
1		Compactor Usage		45		45.00 <sup>3</sup>
100		Bore @ \$25.00 Per Foo	ot	25	.00	2,500.00 <sup>3</sup>
1		Skidsteer Per Day		350	.00	350.00 <sup>3</sup>
1		Mini-Excavator Per Day	/	350	.00	350.00°
1		Dump Truck Per Day		350	.00	350.00 <sup>3</sup>
22		Plumber At \$118.00 Pe		118		2,596.00°
3		Plumber OT At \$140.0		140		420.00
13.5		Operator At \$83.00 Pe		83	.00	1,120.50
1		Operator OT At \$120.0	10 Per		1	
		Hour		120	.00	120.00
20		Laborer with Service T	ruck @			
		\$89.00 Per Hour		89	.00	1,78 <b>0.</b> 00
1.5		Laborer with Service T	ruck OT	400		462.00
		@ \$108.00 Per Hour		108	.00	162.00
				Total La	bor 9	9,998.50
* means	item is non-taxable					
	There			SALE AMOUN	1	1,106.16
Thank C	You From Business	Visit us at our website www.ojlaughlinplumbing.		8. N % Ta	×	89.83
How				TOTAL	\$1:	1,195.99

### O.J.LAUGHLIN SINGE 1981 PLUMBING COMPANY Juc.

invoice

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088 INVOICE NO.

3172144

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240

Clayton, MO 63105

Ì	A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNAUILD	1
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CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAG
	FUNCHMBE UNDER NO.	st - I depute the court of the court		Salta Space Walled		
MAWC	A	MAWC	173017	net due upon receipt	5/24/17	1 OUNT
QUANTITY		DESCRIPTION		UNITERI	GE AN	DUNI
				100		
4	16 Arundel					
_	_					
	o furnish laber and ma	terial to replace lead water	service to house.		11	
1		1" Flared Angle Stop	)	53	.56	53.5
1		1" Copper M - FIP A	dapter	13	.95	13.9
1		1" Copper Fittings				
		(90-45-Couplings)		4	.93	4.9
1		3/4" Copper Fittings		_	10	г.
1		(St. 90 - St. 45) 1" Copper Reducer /	Puching		.19 .67	5.1 6.6
10		1" Type M Hard Cop			.42	44.2
2		3/4" Copper Fittings		· '	. 12	7712
_		(90-45-Couplings)		3	.59	7.1
5	, 	3/4" Type M Hard C	opper		.69	13.4
1		Usage Of String Solo				
		Paste		5	.51	5.5
2		B-Tank (Usage)			.51	11.0
1		1" Flared Tee Head			.58	89.5
1		3/4" Meter Yoke		114		114.8
1		1" Flared Coupling			.55	27.5
1		Fibre Meter Box			.25 .46	96.2 50.4
1		Meter Cover or Lid St. Louis County Sto	n-Boy		.87	32.8
1		1" Flared Angle Stop			.56	53.5
100		1" Type K Soft Copp			.35	435.0
1		Usage of Quick Plug			.90	16.9
^						
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	(That			SALE AMOUN	*	
	Wow From Business	Visit us at our webs				
Thank	Bushine	www.ojlaughlinplumbin	g.com		5. S. S. S.	
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JOB!

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/24/17	2
QUANTITY	All the state of t	DESCRIPTION	- Annual Market	UNIT PRI	OE A	MOUNT
5		Rock Per Ton		10	.65	53.25
				Total Material and Ot	her	1,135.89
1 1 1 1 1 1 100 18.5 1.5 10 1.5		Permit Dump Fee Concrete Saw Per Da Trench Safety and Pro Skidsteer Per Day Mini-Excavator Per Day Dump Truck Per Day Compactor Usage Bore @ \$25.00 Per For Plumber At \$118.00 For Plumber OT At \$140.00 Operator At \$83.00 Por Operator OT At \$120 Hour Laborer with Service \$89.00 Per Hour Laborer with Service \$89.00 Per Hour	otection  ay  oot  Per Hour  00 Per Hour  er Hour  .00 Per  Truck @	70 350 75 350 350 350 45 25 118 140 83	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00	60.00° 70.00° 350.00° 350.00° 350.00° 45.00° 2,500.00° 2,183.00° 180.00° 1,424.00° 1,424.00° 9,139.00
	s item is non-taxable			SALE AMOUN	r ,	10,274.89
Thurk (	You For Business	Visit us at our websi www.ojlaughlinplumbing		8 TI 2. To	ix	92.12
Oyour				TOTAL	\$:	10,367.01



306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088 INVOICE NO.

3172145

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE/TECH,	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/24/17	1
YTITIANUC		DESCRIPTION		UNIT PRI	CE AN	MOUNT
1 1 1 1 1 2 100 1 2 1 1 2 1 1 2 1 1 1 1	1 1 1 1 2 2 1 3 1 1 0 2 1	1" Flared Tee Head 3/4" Meter Yoke Fibre Meter Box Meter Cover or Lid St. Louis County Stop 1" Flared Angle Stop 1" Type K Soft Coppe Usage of Quick Plug B-Tank (Usage) 1" Copper M - FIP Ad 1" Copper Fittings (90-45-Couplings) 1" Copper Reducing 1" Type M Hard Copp 1/2" Plug (Square He Usage Of String Solde Paste Universal Slider Brack Drywall Screw Rock Per Ton	apter Fee per ad) er &	114 96 50 32 53 4 16 5 13 4 20 4 9	.25 .46 .87 .56 .35 .90 .51 .93 .47 .42 .80 .51 .40 .33	89.58 114.81 96.25 50.46 32.87 107.12 435.00 11.02 13.95 14.79 20.42 44.20 19.60 5.55 7.40 1.32 53.25
	Bl. st.			SALE AMOUN	т	
Thank!	You From Business	Visit us at our websi www.ojlaughlinplumbing				
(a) foll	Ah —			TOTAL		

### O.J.LAUGHLIN SINGE 1951 PLUMBING COMPANY Juc.

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088 invoice

INVOICE NO.

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Missouri American Water Co

PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD INVOICE DATE CUSTOMER PURCHASE ORDER NO. SERVICE TECH. JOB# TERMS PAGE 2 5/24/17 MAWC MAWC 173017 net due upon receipt UNIT PRICE AMOUNT QUANTITY DESCRIPTION 60.00 60.00\* Permit Trench Safety and Protection 75.00 75.00\* 1 1 Dump Fee 70.00 70.00\* 350.00 350.00\* 1 Concrete Saw Per Day Compactor Usage 45.00 45.00\* 1 350.00 1 Skidsteer Per Day 350.00\* 1 Mini-Excavator Per Day 350.00 350.00\* 350.00 1 Dump Truck Per Day 350.00\* 25.00 2,500.00\* 100 Bore @ \$25.00 Per Foot 118.00 2,537.00\* 21.5 Plumber At \$118.00 Per Hour 140.00 2.5 Plumber OT At \$140.00 Per Hour 350.00\* 83.00 1,079.00\* 13 Operator At \$83.00 Per Hour Operator OT At \$120.00 Per 1 120.00 120.00\* Hour 19.5 Laborer with Service Truck @ 89.00 \$89.00 Per Hour 1,735.50\* 1.5 Laborer with Service Truck OT 108.00 162.00\* @ \$108.00 Per Hour Total Labor 10,133.50 \* means item is non-taxable SALE AMOUNT Thank You For Your Business 11,268.00 92,01 8.11 % Tax Visit us at our website www.ojlaughlinplumbing.com **TOTAL** \$11,360.01



306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

INVOICE NO. 3172146

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314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	- INVOICE DATE	PAG
MAWC		MAWC	173017	net due upon receipt	5/24/17	1
QUANTITY		DESCRIPTION		UNIT PRI	OE AM	OUNT
	51 Arundel					
	To furnish labor and mat	erial to replace lead water	service to house.			
1	L	1" Flared Angle Stop		53	.56	53.5
1		1" Copper M - FIP Ad	dapter	13	.95	13.9
1	L	1" Copper Fittings				
		(90-45-Couplings)	_		.93	4.9
1		1" Copper Reducing			.47	20.4
1		3/4" Boiler Drain / H			.36	12.3
1		3/4" Plug (Square He	ead)		.49 .92	11.4
1 2		1" Mickey Hanger Drywall Screw		•	.33	0.9
10		1" Type M Hard Cop	nor		.42	44.2
10		Usage Of String Sold		Т	.72	77.20
	•	Paste	ici oc	5	.51	5.5
2	)	B-Tank (Usage)			.51	11.0
1		1" Flared Tee Head			.58	89.5
1		3/4" Meter Yoke		114	.81	114.8
1	Į.	1-1/4" Flared Coupli	ng	79	.76	79.7
1	L	Fibre Meter Box		96	.25	96.2
1	L	Meter Cover or Lid			.46	50.4
1		St. Louis County Sto			.87	32.8
1		1" Flared Angle Stop			.56	53.5
100		1" Type K Soft Copp	er		.35	435.00
1		Usage of Quick Plug			.90	16.90
Ę		Rock Per Ton		10	.65	53.2
	A.			SALE AMOUN	T .	
The water	You For Business	Visit us at our webs			74	
@ latt	Ole Doros	11 11 11 10 June 31 in the common	g.=+	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Pet State	
UG				TOTAL		



306 Saint Louis Avenue

VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605 Cherry Hill, NJ 08034

INVOICE NO. 3172146

JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DAT	TE PAGE
MAWC		MAWC	173017	net due upon receipt	5/24/17	2
YTITINAUC		DESCRIPTION		UNIT-PRI	CE .	AMOUNT
				Total Material and Ot	her	1,201.51
1 1 1 1 1 1 80 14.5 1.5 10 1.5		Permit Dump Fee Trench Safety and Pr Concrete Saw Per Da Compactor Usage Skidsteer Per Day Mini-Excavator Per Day Bore @ \$25.00 Per Fo Plumber At \$118.00 F Plumber OT At \$140.0 Operator At \$83.00 P Operator OT At \$120 Hour Laborer with Service \$89.00 Per Hour Laborer with Service (@ \$108.00 Per Hour	y oot Per Hour 00 Per Hour er Hour .00 Per Truck @	70 75 350 45 350 350 350 25 118 140 83	.00 .00 .00 .00 .00 .00 .00 .00	60.00° 70.00° 75.00° 350.00° 350.00° 350.00° 350.00° 2,000.00° 1,711.00° 210.00° 830.00° 1,424.00° 162.00°
	ns item is non-taxable			SALE AMOUN	r	0.269.51
, (	You For	Visit us at our websi	te	8.11% Ta	×	9,368.51 97.44
Thank Oyou	You For Business	www.ojlaughlinplumbing	g.com	TOTAL		\$9,465.95

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

INVOICE NO. 3172147

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605 Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAG
MAWC		MAWC	173017	net due upon receipt	5/24/17	1
QUANTITY	we will be a second of the sec	DESCRIPTION	10.7	UNIT PRI	CE AN	OUNT
	4 Arundel					
( )	A Arunuei	)				
7	o furnish labor and mat	cerial to replace lead water se	ervice to house.			
1		1" Flared Angle Stop		53	.56	53.56
1		1" Copper M - FIP Ada	pter	13	.95	13.95
2		1" Copper Fittings	•			
		(90-45-Couplings)			.93	9.86
1		1" Copper Reducing T	ee	20	.47	20.47
1		1" Copper Fittings			1	
		(St. 90 - St. 45)			.08	17.08
12		1" Type M Hard Coppe			.42	53.04
1		Universal Slider Brack			.40	7.40
1		3/4" Plug (Square Hea	ia)		.49 .33	11.49 1.32
4		Drywall Screw Usage Of String Solde	w O.	U	.33	1.34
1		Paste	1 04	5	.51	5.5
2		B-Tank (Usage)			.51	11.02
1		3/4" Shark Bite Cap			.36	7.3
1		1" Flared Tee Head			.58	89.58
1		3/4" Meter Yoke		114		114,8
1		1" Flared Coupling			.55	27.5
1		Fibre Meter Box			.25	96.2
1	•	Meter Cover or Lid			.46	50.4
1		St. Louis County Stop-	-Box		.87	32.8
1		1" Flared Angle Stop			.56	53.56
100	!	1" Type K Soft Coppe	r	4	.35	435.00
				SALE AMOUN	r	
	You From Business	N. M. St				
10	Chiness		Visit us at our website www.ojlaughlinplumbing.com			
Thank	(0)9(6)	At as as collected in the farming the				



306 Saint Louis Avenue

VALLEY PARK, MISSOURI 63088

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BILL TO:

Missouri American Water Co PO Box 5605

Cherry Hill, NJ 08034

INVOICE NO. 3172147

JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD

		O. SERVICE TECH.		10.00	MS	INVOICE DATE	-
MAWC		MAWC	173017	net due u	on receipt	5/24/17	2
YTITINAUC	No. of the last	DESCRIPTION	4		-UNIT PRI	CE	AMOUNT
1		Hongo of Quick D	lua		16	.90	16.90
1 5		Usage of Quick Pl Rock Per Ton	lug			.65	53.25
-						. 10	
				Total Mate	erial and Ot	her	1,182.29
1		Permit			60	.00	60.00
1		Trench Safety and	d Protection		75	.00	75.00°
1		Dump Fee				.00	70.00
1		Compactor Usage	}		45	.00	45.00
1		Skidsteer Per Day	Skidsteer Per Day			.00	350.00
1		Mini-Excavator Pe			350	.00	350.00
1		Dump Truck Per I			350	.00	350.00
100		Bore @ \$25.00 Pe	er Foot		25	.00	2,500.00
14.5		Plumber At \$118.	00 Per Hour		118	.00	1,711.00
1.5		Plumber OT At \$1	L40.00 Per Hour	140.00			210.00
10		Operator At \$83.0			83	.00	830.00
1.5		Operator OT At \$	120.00 Per				
		Hour			120	.00	180.00
16		Laborer with Serv	rice Truck @			4	
		\$89.00 Per Hour			89	.00	1,424.00
1.5		Laborer with Serv				1	
		@ \$108.00 Per H	our		108	.00	162.00
					Total La	bor	8,317.00
* means	item is non-taxab	le					
***************************************	0			1 8	SALE AMOUN	T	9,499.29
6	Low Front	Visit us at our w	aheita	5	11% Ta	ax	95.88
Thank !	Susiness	www.ojlaughlinplum		0	.1170		
@ Jours	You From Business				TOTAL	No. Congress	
				VII.	TOTAL	- 15	\$9,595.17

## O.J. LAUGHLIN PLUMBING COMPANY

invoice

INVOICE NO.

3172148

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTAL ~ COMMERCIAL ~ DESIGNBUILD

CUSTOMER	PURCHASE OFFICE NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/24/17	1
QUANTITY	1 N 2 N 2	DESCRIPTION		UNIT PRI	CE AN	TOUNT
	55 Arundel					
	)					
	To furnish labor and ma	terial to replace lead water	service to house.			
1		1" Flared Angle Stop			.56	53.56
1		1" Copper M - FIP A 1" Copper Fittings	dapter	13	.95	13.95
-	)	(90-45-Couplings)		4	.93	14.79
3	3	1" Copper Fittings				
1		(St. 90 - St. 45) 1" Copper Reducing	Tee		.08	51.24 20.47
10		1" Type M Hard Cop			.42	44.20
1		1" Mickey Hanger	'		.92	0.92
2	2	Drywall Screw 1/2" Plug (Square He	and)		.33 .80	0.66 19.60
2	)	B-Tank (Usage)	eau)		.51	11.02
1		Usage Of String Solo	ler &		1.	
1	l	Paste 1" Flared Tee Head			.51 .58	5.51 89.58
1		3/4" Meter Yoke		114		114.81
1		1" Flared Coupling			.55	27.55
1		Fibre Meter Box Meter Cover or Lid			.25 .46	96.25 50.46
3		St. Louis County Sto			.87	32.87
100		1" Flared Angle Stop			.56	53.56
100		1" Type K Soft Copp Usage of Quick Plug	er		.35	435.00 16.90
•		00030 0. 2000. 1009		10	.50	10.50
				SALE AMOUNT	7	
	a low From	Visit us at our webs	ita			
Thank	You From Business	www.ojlaughlinplumbin				
@ low	p			TOTAL		



INVOICE NO.

3172148

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD

CUSTOMER P	JRCHASE ORDER NO.	SERVICE TECH	JOB#	TERMS	INVOICE DAT	PAGE
MAWC		MAWC	173017	net due upon receipt	5/24/17	2
QUANTITY		DESCRIPTION		UNIT PRI	ČE	AMOUNT
5		Rock Per Ton		10	0.65	53.25
				Total Material and Ot	:her	1,206.15
1		Permit			0.00	60.00*
1		Trench Safety and	Protection	75	5.00	75.00*
1		Dump Fee			0.00	70.00*
1		Compactor Usage		45	5.00	45.00*
1		Skidsteer Per Day			.00	350.00*
1		Mini-Excavator Per			0.00	350.00*
1		Dump Truck Per Da	ay		0.00	350.00*
80		Bore @ \$25.00 Per	Foot		5.00	2,000.00*
14.5		Plumber At \$118.0	0 Per Hour		3.00	1,711.00*
1.5		Plumber OT At \$14	10.00 Per Hour		0.00	210.00 <sup>x</sup>
10		Operator At \$83.00		83	3.00	830.00*
1.5		Operator OT At \$1	20.00 Per		- D	
16		Hour Laborer with Servi	ce Truck @	120	0.00	180.00*
10		\$89,00 Per Hour	ce mack @	89	0.00	1,424.00*
1.5		Laborer with Service	ce Truck OT			_,
		@ \$108.00 Per Ho		108	3.00	162.00*
				Total La	bor	7,817.00
* means it	em is non-taxable					
				SALE AMOUN	F	9,023.15
Theursk Oyo Oyour	u Yor Susinebs	Visit us at our web www.ojlaughlinplumbi		8.11 % TO	ЭX	97.82
Your D	Oc.	, 3		TOTAL		\$9,120.97



INVOICE NO. 3172149

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

CUSTOMER	PURCHASE ORDER NO.	SERVIGE TECH.	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/24/17	1
QUANTITY	70 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	DESCRIPTION		UNIT PRI	OE AN	IQUNT 🖟
	57 Arundel					
		terial to replace lead water se	onvice to house			
		•	sivice to flouse.			
2		1" Flared Angle Stop	hau		.56	107.12
1		1" Copper M - FIP Ada 1" Copper Fittings	ipter	13	.95	13.95
'	•	(90-45-Couplings)		4	.93	19.72
1		1" Copper Reducing To	ee	20	.47	20.47
1	i	3/4" Copper Fittings			==	2.50
1	1	(90-45-Couplings) 3/4" Male/Female Dial	ectic	3	.59	3.59
J	L	Union	ectic	11	.02	11.02
20	)	1" Type M Hard Coppe	er		.42	88.40
5		3/4" Type M Hard Cop		2	.69	13.4
1	L	Usage Of String Solder	r &	_	r.	F 6
1	I	Paste B-Tank (Usage)			.51 .51	5.5: 5.5:
1		1" Flared Tee Head			.58	89.5
1	l	3/4" Meter Yoke		114	.81	114.8
1		Fibre Meter Box			.25	96.2
1		Meter Cover or Lid	Davi		.46	50.40
1 90		St. Louis County Stop- 1" Type K Soft Copper	BOX		.87 .35	32.8 391.5
1		Usage of Quick Plug			.90	16.90
5		Rock Per Ton			.65	53.2
				SALE AMOUNT		
Jak (	You For Business	Visit us at our website www.ojlaughlinplumbing.				
Thanks	of Olympian	www.ojiaugriiiripiumbilig.	COITI	A	10	
ONOG				TOTAL		

# PLUMBING COMPANY

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

INVOICE NO. 3172149

JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD INVOICE DATE CUSTOMER PURCHASE ORDER NO. SERVICE TECH. JOB# PAGE 5/24/17 MAWC MAWC 173017 net due upon receipt UNIT PRICE AMOUNT DESCRIPTION QUANTITY Total Material and Other 1,134.36 60.00\* 60.00 Permit 1 75.00 75.00\* Trench Safety and Protection 1 70.00 70.00\* Dump Fee 1 45.00 45.00\* Compactor Usage 1 Skidsteer Per Day 350.00 350.00\* 1 1 Mini-Excavator Per Day 350,00 350.00\* 350.00 350.00\* Dump Truck Per Day 1 25.00 2,000.00\* 80 Bore @ \$25.00 Per Foot 118.00 Plumber At \$118.00 Per Hour 1,799.50\* 15.25 140.00 140.00\* 1 Plumber OT At \$140.00 Per Hour 664.00\* Operator At \$83.00 Per Hour 83.00 8 Operator OT At \$120.00 Per 1 Hour 120.00 120.00\* Laborer with Service Truck @ 16 \$89.00 Per Hour 89.00 1,424.00\* Laborer with Service Truck OT 1 108.00\* @ \$108.00 Per Hour 108.00 **Total Labor** 7,555.50 \* means item is non-taxable SALE AMOUNT Thank Oyou From Oyour Business 8,689.86 92.00 Visit us at our website www.ojlaughlinplumbing.com

SEE REVERSE SIDE FOR LIEN CLAUSE

\$8,781.86

**TOTAL** 



INVOICE NO.

3172150

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGI
MAWC		MAWC	173017	net due upon receipt	5/24/17	1
YTITIAU	4.5	DESCRIPTION	yar et va	UNIT PRI	CE AI	MOUNT
	60 Arundel					
	To furnish labor and ma	terial to replace lead water s	service to house		1	
		,	icivice to nouse.			
1		1" Flared Angle Stop 1" Copper M - FIP Ad	anter		3.56 3.95	53.50 13.9
	3	1" Copper Fittings	арсеі	13	,,95	13.5
7		(90-45-Couplings)	_		.93	14.79
1		1" Type M Hard Copp Usage Of String Solde		4	.42	30.9
		Paste			5.51	5.5
2		B-Tank (Usage) 1" Flared Tee Head			5.51 5.58	11.03 89.5
1	L	3/4" Meter Yoke		114	.81	114.8
1		Fibre Meter Box			.25	96.2
1		Meter Cover or Lid St. Louis County Stop	-Box		.46 .87	50.4 32.8
1		1" Flared Angle Stop		53	3.56	53.5
100		1" Type K Soft Coppe Usage of Quick Plug	er		i.90	435.0 16.9
5		Rock Per Ton			.65	53.2
				Total Material and Ot	:her	1,072.4
1	L	Permit		60	0.00	60.0
1		Trench Safety and Pr	otection		5.00	75.0
	L	Dump Fee		/0	0.00	70.0
				SALE AMOUNT	238	
	Theat			SALE AMOUN		
, (	Jou For Business	Visit us at our websi				
Thank	Busines	www.ojlaughlinplumbing	.com			
( low	P -			TOTAL	- 1	



306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605 Cherry Hill, NJ 08034

INVOICE NO. 3172150

JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

	A COMPLETE PLUMBING	SERVICE ~ SINCE 1951 ~ REPAIRS ~	951~REPAIRS~REMODELING~RESIDENTIAL~COMMERCIAL~DESIGN/BUILD				
CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGE	
MAWC		MAWC	173017	net due upon receipt	5/24/17	2	
YTITANU		DESCRIPTION		UNITER	CE AN	IOUNT	
1 80 16 2 6.5 2		Compactor Usage Bore @ \$25.00 Per F Plumber At \$118.00 Plumber OT At \$140 Operator At \$83.00 ( Operator OT At \$120 Hour Laborer with Service \$89.00 Per Hour Laborer with Service @ \$108.00 Per Hour	Per Hour .00 Per Hour Per Hour ).00 Per Truck @	25 118 140 83	.00 1 .00 .00 .00 .00 1	45.00°,,000.00°,,888.00°, 280.00°, 539.50°, 240.00°,,157.00°, 216.00°,,570.50°,	
* mean	s item is non-taxable				299		
	Rest.			SALE AMOUN	7	,642.95	
a 10 (	You For	Visit us at our webs	site	8 11 % Ta	x	86.98	

www.ojlaughlinplumbing.com

TOTAL \$7,729.93

SEE REVERSE SIDE FOR LIEN CLAUSE

MAWC southwest operations Schedule JAM-r6



INVOICE NO.

3172151

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl.

PO#: 5000071240

Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGI
MAWC		MAWC	173017	net due upon receipt	5/24/17	1
VITTANU		DESCRIPTION		UNITER	CE	AMOUNT
	51 Arundel					
	To furnish labor and mat	erial to replace lead water s	service to house.			
2		1" Flared Angle Stop			.56	107.12
1 2		1" Copper M - FIP Ad 1" Copper Fittings	lapter	13	.95	13.95
2	•	(90-45-Couplings)		4	.93	9.86
1		1" Copper Reducer /			.67	6.67
6		1" Type M Hard Copp Usage Of String Solde		4	.42	26.52
	•	Paste	E1 &	5	.51	5.5
2		B-Tank (Usage)			.51	11.0
1		1" Flared Tee Head 3/4" Meter Yoke		89 114	.58	89.50 114.8
1		Fibre Meter Box			.25	96.2
1		Meter Cover or Lid		50	.46	50.46
1 100		St. Louis County Stop 1" Type K Soft Coppe			.87 .35	32.87 435.00
100		Usage of Quick Plug	:1		.90	16.90
5		Rock Per Ton			.65	53.2
				Total Material and Ot	her	1,069.77
1		Permit		60	.00	60.00
1	-	Dump Fee		70	.00	70.00
1		Compactor Usage		45	.00	45.00
				SALE AMOUN	r	
	Trov			in the second		
Thank!	You From Business	Visit us at our webs www.ojlaughlinplumbing		5.6		
Office	4.00			and the second second second		



INVOICE NO.

3172151

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

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314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

	A COMPLETE PLUMBING	SERVICE ~ SINCE 1951 ~ REPAIRS ~ RE	EMODELING ~ RESIDENIL	Address to the second s		
CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt		2
YTITMAUQ		DESCRIPTION	P. Carlotte	UNIT PR	CE AN	TOUNT
1		Concrete Saw Per Day	,	350	0.00	350.00
1		Skidsteer Per Day			0.00	350.00
1		Mini-Excavator Per Da	ıy		0.00	350.00
1		Dump Truck Per Day			0.00	350.00
100		Bore @ \$25.00 Per Fo				2,500.00
16		Plumber At \$118.00 P				1,888.00
2 8.5		Plumber OT At \$140.0 Operator At \$83.00 Pe			0.00 3.00	280.00 705.50
2		Operator OT At \$120.		0.3	5.00	/05.50
		Hour		120	0.00	240.00
15		Laborer with Service	Truck @			
2		\$89.00 Per Hour	Terrels OT	89	9.00	1,335.00
2	Laborer with Service Truck OT  @ \$108.00 Per Hour		108.00		216.00	
				Total La	ıbor	8,739.50
* mean	s item is non-taxable					
	Short			SALE AMOUN	T .	9,809.27
Thank C	You For Business	Visit us at our websit www.ojlaughlinplumbing		8.11%	ax	86.76
Mour Officer	, 0			TOTAL	\$	9,896.03



INVOICE NO. 3172152

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240

Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH:	JOB#	TERMS	INVOICE DATE	PAG
1AWC		MAWC	173017	net due upon receipt	5/24/17	1
YTITANU		DESCRIPTION		UNIT PR	ICE A	MOUNT
6	2 Arundel					
Т	o furnish labor and mat	terial to replace lead water se	rvice to house.			
2		1" Flared Angle Stop			.56	107.12
1 7		1" Copper M - FIP Ada 1" Copper Fittings	pter	13	.95	13.95
,		(90-45-Couplings)		4	.93	34.51
2		1" Copper Fittings				
		(St. 90 - St. 45)			.08	34.16
4 8		Universal Slider Bracke Drywall Screw	ets		.40 .33	29.60 2.64
50		1" Type M Hard Coppe	r		.42	221.00
1		Usage Of String Solder				
		Paste			.51	5.5
2		B-Tank (Usage)			.51	11.02 89.58
1 1		1" Flared Tee Head 3/4" Meter Yoke		114	.58 81	114.8
1		Fibre Meter Box			.25	96.25
1		Meter Cover or Lid			.46	50.46
1		St. Louis County Stop-			.87	32.87
100		1" Type K Soft Copper			.35 .90	435.00 16.90
1 5		Usage of Quick Plug Rock Per Ton			.65	53.25
Ŭ		10001101		10		
				Total Material and Ot	her	1,348.63
	A.			SALE AMOUN	IT .	
Marile (	You From Business	Visit us at our websit www.ojlaughlinplumbing				
@ lou	ik Do.				The second second	
00				TOTAL	1.0	



INVOICE NO.

3172152

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JØB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/24/17	2
UANTITY		DESCRIPTION		UNIT PRI	CE A	TNUON
1		Permit		60	.00	60,00
1		Dump Fee			.00	70.00
1		Trench Safety and Pro	tection		.00	75.00
1		Compactor Usage			.00	45.00
1		Concrete Saw Per Day	,	350		350.00
1		Skidsteer Per Day		350		350.00
1		Mini-Excavator Per Da	у	350		350.00
1		Dump Truck Per Day		350		350.00
100		Bore @ \$25.00 Per Fo			.00	2,500.00
16		Plumber At \$118.00 Pe		118		1,888.00
2		Plumber OT At \$140.0		140		280.00
6.5 2		Operator At \$83.00 Pe Operator OT At \$120.0		83	.00	539.50
		Hour		120	.00	240.00
13			Laborer with Service Truck @			4 4 5 7 00
2	\$89.00 Per Hour Laborer with Service T	89	.00	1,157.00		
		@ \$108.00 Per Hour	108	.00	216.00	
				Total La	bor	8,470.50
* means	s item is non-taxable					
	of the			SALE AMOUNT		9,819.13
Thank 6	You For Business	Visit us at our website www.ojlaughlinplumbing.		8.H 2 To	×	109.37
Your	, D'			TOTAL	4	9,928.50



NVOICE NO.

3172153

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

CUSTOMER	PURCHASE ORDER NO.	E ORDER NO. SERVICE TECH: JOB#			INVOICE DATE P	
MAWC		MAWC	173017	net due upon receipt	5/24/17	1
YTITMAUC		DESCRIPTION		UNIT PRI		OUNT -
	***************************************					
	64 Arundel					
	To furnish labor and ma	terial to replace lead water	service to house.			
	2	1" Flared Angle Stop		53	.56	107.12
	1	1" Copper M - FIP A		= -	.95	13.95
;	2	1" Copper Fittings (90-45-Couplings)				
				4	.93	9.86
	1	1" Copper Fittings			14	
		(St. 90 - St. 45)		17	.08	17.08 6.67
	1	1" Copper Reducer /			6.67	
10		1" Type M Hard Cop		4.42		44.20
	1	Universal Slider Brad	ckets	7.40		7.40
	4	Drywall Screw	1 0	0	.33	1.32
	1	Usage Of String Solo Paste	ier &	-		
	2	B-Tank (Usage)			.51	5.51
	1	1" Flared Tee Head			.51 .58	11.02 89.58
	1	3/4" Meter Yoke		114		114.81
	$\tilde{1}$	1" Flared Coupling			.55	27.55
	1	Fibre Meter Box			.25	96.25
	1	Meter Cover or Lid			46	50.46
	1	St. Louis County Sto	р-Вох		.87	32.87
100	0	1" Type K Soft Copp			.35	435.00
	1	Usage of Quick Plug		16	.90	16.90
!	5	Rock Per Ton		10	.65	53.25
				SALE AMOUNT		
	You For Bushress	Visit us at our webs				
0 10						
Thank	OBushnes	www.ojlaughlinplumbin	g.com	1 to 1	144	



INVOICE NO.

3172153

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD CUSTOMER' PURCHASE ORDER NO. SERVICE TECH. TERMS INVOICE DATE PAGE JOB# MAWC MAWC 2 173017 net due upon receipt 5/24/17 UNIT PRICE AMOUNT QUANTITY DESCRIPTION Total Material and Other 1,140.80 1 **Permit** 60.00 \*00.00 1 Dump Fee 70.00 70.00\* 75.00 75.00\* 1 Trench Safety and Protection 1 Compactor Usage 45.00 45.00\* 1 Concrete Saw Per Day 350.00 350.00\* 1 Skidsteer Per Day 350.00 350.00\* 1 Mini-Excavator Per Day 350.00 350.00\* 1 Dump Truck Per Day 350.00 350.00\* 100 Bore @ \$25.00 Per Foot 25.00 2,500.00\* 14.5 Plumber At \$118.00 Per Hour 118.00 1,711.00\* 1.5 140.00 210.00\* Plumber OT At \$140.00 Per Hour 10 Operator At \$83.00 Per Hour 83.00 830.00\* 1.5 Operator OT At \$120.00 Per 120.00 180.00\* Hour 16.5 Laborer with Service Truck @ \$89.00 Per Hour 89.00 1,468.50\* Laborer with Service Truck OT 1.5 @ \$108.00 Per Hour 108.00 162.00\* Total Labor 8,711.50 \* means item is non-taxable SALE AMOUNT Thank You For Your Business 9,852.30 92.52 Visit us at our website www.ojlaughlinplumbing.com TOTAL \$9,944.82

3172155



306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088 invoice

INVOICE NO.

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/24/17	1
YTITAAUQ	100 AL 100 10 10 10 10 10 10 10 10 10 10 10 10	DESCRIPTION	The state of the s	UNIT PRI	CE /	MOUNT
	69 Arundel	1				
	w. 6. stabilish su su d	/ .h/-! h! ! dh				
	to turnish labor and ma	aterial to replace lead water se	ervice to nouse.			
2		1" Flared Angle Stop			3.56	107.12
1		1" Copper M - FIP Ada 1" Copper Fittings	pter	13	3.95	13.95
2	2	(90-45-Couplings)		4	1.93	9.86
1	L	1" Copper Reducer / B	ushing		5.67	6.67
1	L	3/4" Copper Fittings				2.50
1	1	(90-45-Couplings) Brass Nipple 1/2x4"			3.59 5.58	3.59 16.58
1		1/2" Brass Cap			3.14	3.14
	2	Usage Of String Solder	r &			
2	,	Paste			5.51 5.51	11.02 11.02
10		B-Tank (Usage) 1" Type M Hard Coppe	>r		4.42	44.20
1		1" Flared Tee Head			9.58	89.58
-1		3/4" Meter Yoke			4.81	114.8
	<u>1</u> 1	Fibre Meter Box Meter Cover or Lid			5.25 ).46	96.2! 50.46
1		St. Louis County Stop-	Box		2.87	32.8
90		1" Type K Soft Copper			1.35	391.50
1		Usage of Quick Plug			5.90	16.90
5	5	Rock Per Ton		10	0.65	53.25
				Total Material and O	ther	1,072.77
	-			SALE AMOUN	T	100
. (	You From Business	Visit us at our website	Э			
Thank	Business	www.ojlaughlinplumbing.	com	100	11.3	
Olow	le o			TOTAL		
0				TOTAL		



INVOICE NO.

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306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl.

PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/24/17	2
VTITNAU		DESCRIPTION		UNIT PRI	DE AN	IOUNT
1		Permit		60	.00	60.00
1		Dump Fee			.00	70.00
1		Trench Safety and Pr	otection		.00	75.00
1		Compactor Usage		45	.00	45.00
80		Bore @ \$25.00 Per F	oot			2,000.00
1		Skidsteer Per Day		350		350.00
1		Mini-Excavator Per D		350		350.00
1		Dump Truck Per Day		350		350.00
15.25		Plumber At \$118.00		118		1,799.50
1		Plumber OT At \$140.		140		140.00
8		Operator At \$83.00 F		83	.00	664.00
1		Operator OT At \$120 Hour	.00 Per	120	00	120.00
16		Laborer with Service	Truck @	120	.00	120.00
		\$89.00 Per Hour	Truck @	90	.00	1,424.00
2		Laborer with Service	Truck OT	03	.00	1,727.00
_		@ \$108.00 Per Hour	Track OT	108	.00	216.00
				Total La	bor	7,663.50
* means item is non-	s item is non-taxable					
W 7	0	-		SALE AMOUNT		8,736.27
Thank C	You For Business	Visit us at our websi www.ojlaughlinplumbing		8.11.2	X.	87.00
** 110 / (I)	(CACOLO)				1000	



INVOICE NO.

3172156

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/24/17	1
QUANTITY	21.	DESCRIPTION	All the second	UNIT PRI	CE A	VOUNT
	78 Arundel					
	76 Arunder					
	To furnish labor and ma	terial to replace lead water s	service to house.		- 1	
	2	1" Flared Angle Stop			3.56	107.12
	1	1" Copper M - FIP Ad	apter	13	3.95	13.95
:	1	1" Copper Fittings (90-45-Couplings)		1	.93	4.93
	1	1" Copper Reducer /	Ruchina		5.67	6.67
	1	Usage Of String Sold		•	,,	0.07
	-	Paste	J. C.	5	5.51	5.51
	2	B-Tank (Usage)		5	i.51	11.02
į	5	1" Type M Hard Copp	er		1.42	22.10
	1	1" Flared Tee Head			0.58	89.58
	1	3/4" Meter Yoke			1.81	114.81
	1	Fibre Meter Box			5.25 1.46	96-25 50.46
	1 1	Meter Cover or Lid St. Louis County Stop	n-Boy		1.87	32.87
100	_	1" Type K Soft Coppe			1.35	435.00
	1	Usage of Quick Plug	••		5.90	16.90
	5	Rock Per Ton		10	).65	53.25
				Total Material and Ot	:her	1,060.42
;	1	Permit			0.00	60.00
	1	Trench Safety and Pr	otection		5.00	75.00
•	1	Dump Fee		70	0.00	70.00
				190 (190 - 1927)		
	None.			SALE AMOUN	r .	
- de	You Frok Business	Visit us at our websi				
Tharte	OBUN	www.ojlaughlinplumbing	J.00111	10 July 10 10 10 10 10 10 10 10 10 10 10 10 10	100	_
OHOU				TOTAL		



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JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTAL ~ COMMERCIAL ~ DESIGN/BUILD

USTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/24/17	2
UANTITY		DESCRIPTION		UNIT PRI	DE A	MOUNT
		Compactor Hongo		45	.00	45.00°
	1. 1	Compactor Usage Concrete Saw Per Da	21/	350		350.00
	1	Skidsteer Per Day	ау	350		350.00
	1	Mini-Excavator Per D	av	350		350.00
	1	Dump Truck Per Day		350		350.00
80		Bore @ \$25.00 Per F			.00	2,000.00
10		Plumber At \$118.00		118		1,888.00
	2	Plumber OT At \$140		140		280.00
6.		Operator At \$83.00	Per Hour	83	.00	539.50
	2	Operator OT At \$120	J.00 Per	120	00	240.00
13	2	Hour Laborer with Service	Truck @	120	.00	240.00
1.	,	\$89.00 Per Hour	TICK @	89	.00	1,157.00
;	2	Laborer with Service	Truck OT	00		1,10,100
		@ \$108.00 Per Hour		108	.00	216.00
			(1+0)	Total La		7,970.50
* mea	ns item is non-taxable					
				SALE AMOUN		
	Thenk					9,030.92
- ok	You From Business	Visit us at our webs www.ojlaughlinplumbin		8.4% T	ix.	86.00
Ofhan	Oloca		_	AND CONTRACTOR OF THE CONTRACTOR	SCIED SAC	



306 Saint Louis Avenue

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PO Box 5605

Cherry Hill, NJ 08034

INVOICE NO. 3172158

JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH,	JOB#	TERMS	INVOICE DATE	PAG
MAWC		MAWC	173017	net due upon receipt	5/24/17	1
QUANTITY		DESCRIPTION	The state of	UNIT PR	ICE	AMOUNT
( 8	1 Arundel					
\_	Street laborated mate	ovial to replace load water c	onvico to house			
ı	o r <del>urnish labo</del> r and mat	erial to replace lead water s	ervice to nouse.			
1		1" Flared Tee Head			.58	89.58
1		3/4" Meter Yoke		114		114.81
1		Fibre Meter Box			.25 .46	96.25 50.46
1 1		Meter Cover or Lid St. Louis County Stop	-Boy		.87	32.87
2		1" Flared Angle Stop	-DOX		.56	107.12
90		1" Type K Soft Coppe	r		.35	391.50
1		Usage of Quick Plug		16	.90	16.90
3		1" Copper Fittings				
		(90-45-Couplings)			.93	14.79
1		B-Tank (Usage)	_	5	.51	5.51
1		Usage Of String Solde	er &	-	E1	5.51
4		Paste 1" Copper M - FIP Ad	antor		.51 .95	13.95
1 20		1" Type M Hard Copp			.42	88.40
1		1" Copper Fittings		,		00110
_		(St. 90 - St. 45)		17	.08	17.08
2		Universal Slider Brack	ets	7	.40	14.80
5		Rock Per Ton		10	.65	53.25
				Total Material and Ot	her	1,112.78
1		Permit		60	0.00	60.00
1		T Griffic				
	0			SALE AMOUN	т	
	Jew Front					
Thank!	Business	Visit us at our websi www.ojlaughlinplumbing			- / //	
Ollow.	You From Business	, , , , , ojuasa, iii je iii je ii je i	··-···			
3				TOTAL		



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invoice

INVOICE NO. 3172158

JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	# JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/24/17	2
QUANTITY -/		DESCRIPTION		UNIT PRI	CE A	MOUNT
1		Dump Fee		70.	.00	70.00*
1		Trench Safety and Pr	otection	75.	.00	75.00*
1		Compactor Usage		45.		45.00 <sup>3</sup>
80		Bore @ \$25.00 Per Fo	oot	25.		2,000.00%
1		Skidsteer Per Day		350.		350.00*
1		Dump Truck Per Day		350.		350.00°
1		Concrete Saw Per Da		350.		350.00*
1		Mini-Excavator Per Da		350,		350.00*
15.25		Plumber At \$118.00 F		118.		1,799.50*
1.5		Plumber OT At \$140.		140.		210.00*
8		Operator At \$83.00 P		83.	.00	664.00*
1		Operator OT At \$120	.00 Per	130	00	120.001
16		Hour Laborer with Service	Tourst @	120.	.00	120.003
10		\$89.00 Per Hour	Truck @	89.	00	1,424.00³
2		Laborer with Service	Truck OT	03.	.00	1,424.00
2		@ \$108.00 Per Hour	ITUCK OT	108.	.00	216.00
				Total Lab	oor	8,083.50
* means	s item is non-taxable					
	A.			SALE AMOUN	F. C.	9,196.28
. 6	You For Business	Visit us at our websi www.ojlaughlinplumbing		8.11% Ta	×	90.25
100	Tall (MI)	- www.cilananiinnii.imbine	a.com		3 8	
Thank O low	, (9) (1) (1)	www.ojidagimipiamons	<b>,</b>	TOTAL		



INVOICE NO.

3172159

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD TERMS INVOICE DATE PAGE CUSTOMER PURCHASE ORDER NO. SERVICE TECH. JOB# MAWC 173017 5/24/17 MAWC net due upon receipt UNIT PRICE AMOUNT QUANTITY DESCRIPTION 82 Arundel To furnish labor and material to replace lead water service to house. 2 107.12 1" Flared Angle Stop 53.56 13.95 1 1" Copper M - FIP Adapter 13.95 3 1" Copper Fittings (90-45-Couplings) 4.93 14.79 10 1" Type M Hard Copper 4.42 44.20 Usage Of String Solder & 1 5.51 5.51 Paste 2 B-Tank (Usage) 5.51 11.02 16.90 1 Usage of Quick Plug 16.90 1" Flared Tee Head 89.58 89.58 1 3/4" Meter Yoke 114.81 114.81 1 Fibre Meter Box 96.25 96.25 1 50.46 1 Meter Cover or Lid 50.46 32.87 32.87 St. Louis County Stop-Box 1 1" Type K Soft Copper 4.35 435.00 100 5 Rock Per Ton 10.65 53.25 Total Material and Other 1,085.71 1 Permit 60.00 60.00\* 1 Dump Fee 70.00 70.00\* 75.00\* Trench Safety and Protection 75.00 1 45.00\* Compactor Usage 45.00 1 SALE AMOUNT Thunk Gow For Your Business Visit us at our website www.ojlaughlinplumbing.com TOTAL



INVOICE NO.

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306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

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BILL TO:

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PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTAL ~ COMMERCIAL ~ DESIGN/BUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH,	UOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/24/17	2
DUANTITY		DESCRIPTION		UNIT PRI	OE A	MOUNT
- 1		Mini-Excavator Per Da	ау	350		350.00
1		Skidsteer Per Day		350		350.00
1		Dump Truck Per Day		350		350.00
80 16		Bore @ \$25.00 Per Fo				2,000.00
2		Plumber At \$118.00 F Plumber OT At \$140.0		118 140		1,888.00
6.5		Operator At \$83.00 P			.00	280.00 539.50
2		Operator OT At \$120.		03	.00	229.20
_	•	Hour	.0016	120	.00	240.00
13	}	Laborer with Service	Truck @	220	,,,,	210100
		\$89.00 Per Hour		89	.00	1,157.00
2	1	Laborer with Service	Truck OT			,
		@ \$108.00 Per Hour		108	.00	216.00
				Total La	bor	7,620.50
* mear	ns item is non-taxable					
	R.			SALE AMOUNT		8,706.21
Thank!	You For Business	Visit us at our website www.ojlaughlinplumbing.com		8.11 × I	×	88.05
Your Oc	(C)(C)	, , , ,	•		2000 PM	



INVOICE NO.

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636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD

USTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGI
MAWC		MAWC	173017	net due upon receipt	5/24/17	1
NUANTITY	P. Carl	DESCRIPTION		UNITER	OE AN	OUNT
	85 Arundel					
( '	)					
	To furnish labor and ma	terial to replace lead water s	ervice to house.			
1	L	1" Flared Angle Stop		53	3.56	53.5
1		1" Copper M - FIP Ad	apter	13	3.95	13.9
2	<u> </u>	1" Copper Fittings				
		(90-45-Couplings)			1.93	9.8
1		1" Copper Reducer /			5.67	6.6
10		1" Type M Hard Copp			1.42	44.2 9.8
1		1/2" Plug (Square He Usage Of String Solde		-	0.80	9.0
_	L	Paste	a oc		5.51	5.5
1		B-Tank (Usage)			5.51	5.5
80		1" Type K Soft Coppe	r		1.35	348.0
1		1" Flared Tee Head			9.58	89.5
1	L	3/4" Meter Yoke			1.81	114.8
1	L	Fibre Meter Box			5.25	96.2
1		Meter Cover or Lid			).46	50.4
1		St. Louis County Stop	-Box		2.87	32,8
5		Rock Per Ton			0.65	53.2
1	L	Usage of Quick Plug		16	5.90	16.9
				Total Material and O	ther	951.1
1	l	Permit		60	0.00	60.0
	Ĺ	Trench Safety and Pro	otection		5.00	75.0
				SALE AMOUN	T	
	For			6	Silveria.	
Whank!	You For Business	Visit us at our websit www.ojlaughlinplumbing		0.72 0.34	X 4	
9100	Je Gou	, 5 .			6415(EW)	_
(0) 100				TOTAL		



306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088 invoice

INVOICE NO.

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BILL TO:

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PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

Clayton, MO 03103

- Ir		ŧ
- 11	A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNABUILD	i
- 11	I A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REWODELING ~ RESIDEMIAL ~ COMMERCIAL ~ DESIGNACIED III	۱

CUSTOMER	PURCHASE ORDER NO	SERVICE TECH;	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/24/17	2
UANTITY		DESCRIPTION		UNIT PRI	DE A	MOUNT
1		Compactor Usage		45	.00	45.00
1		Concrete Saw Per Da	v	350		350.00
î		Mini-Excavator Per Da		350		350.00
1		Skidsteer Per Day	-1	350		350.00
80		Bore @ \$25.00 Per Fo	oot		.00	2,000.00
1		Dump Truck Per Day		350		350.00
12		Plumber At \$118.00 F	Per Hour	118		1,416.00
6.5		Plumber OT At \$140.		140		910.00
8		Operator At \$83.00 P	er Hour		.00	664.00
5.5		Operator OT At \$120. Hour	.uu Per	120	.00	660.00
24		Laborer with Service \$89.00 Per Hour		89	.00	2,136.00
12	•	Laborer with Service @ \$108.00 Per Hour	Truck OT	108	.00	1,296.00
				Total La	bor	10,662.00
* mean	is item is non-taxable					
	A.			SALE AMOUNT	F. W	11,613.18
Thank (	You From Business	Visit us at our websit www.ojlaughlinplumbing		8.112	X .	77.14
11 41	6.0					



INVOICE NO.

3172161

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl.

PO#: 5000071240

Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD							
CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	#80L	TERMS	INVOICE DATE	PAG	
MAWC		MAWC	173017	net due upon receipt	5/24/17	1	
DUANTITY		DESCRIPTION		UNIT PRI	CE AW	OUNT	
	86 Arundel	erial to replace lead water s	rangica to hausa				
2		1" Type M Hard Copp		1	.42	8.8	
2		3/4" Type M Hard Copp			.69	5.3	
1		B-Tank (Usage)	ppei		.51	5.5	
ī		Usage Of String Solde	er &	_		5.5	
		Paste		5	.51	5.5	
1		1" Copper Fittings			100		
		(90-45-Couplings)		4	.93	4.9	
1		1" Copper Reducer /			.67	6.6	
1		1" Copper M - FIP Ad	apter	13	.95	13.9	
1		3/4" Copper Fittings					
00		(90-45-Couplings)			5.59	3.5	
80 1		1" Type K Soft Coppe 1" Flared Tee Head	Г	00	.35 .58	348.0 89.5	
1		3/4" Meter Yoke		114		114.8	
1		Fibre Meter Box			.25	96.2	
1		Meter Cover or Lid			.46	50.4	
1		St. Louis County Stop-Box		= =	.87	32.8	
5		Rock Per Ton			.65	53.2	
1		Usage of Quick Plug			.90	16.9	
				Total Material and Ot	her	856.5	
1		Permit		60	.00	60.0	
	numi i			SALE AMOUN			
	a low Front	Visit us at our websit		- 14			
Thank!	You From Business	www.ojlaughlinplumbing			C C		
Olow	Je v			TOTAL			



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Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD

	A COMPLETE PLUMBING	SERVICE ~ SINCE 1951 ~ REPAIRS ~ REV	MODELING~RESIDENTA	AL~COMMERCIAL~DESIGNE	UILD	
CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/24/17	2
QUANTITY		DESCRIPTION		UNIT PRI	OE A	MOUNT
	1	Trench Safety and Prot	ection		5.00	75,00
60	1	Dump Fee			0.00	70.00
	J 1	Bore @ \$25.00 Per Foo Compactor Usage	DE		5.00 5.00	1,500.00° 45.00°
	1	Skidsteer Per Day			0.00	350.00
	1	Mini-Excavator Per Day	,		0.00	350.00
	1	Dump Truck Per Day			0.00	350.00
20		Plumber At \$118.00 Pe	r Hour		3.00	2,360.00
2.!		Plumber OT At \$140.00			0.00	350.00
16		Operator At \$83.00 Per			3.00	1,328.00
2.!		Operator OT At \$120.0				_,
		Hour		120	0.00	300.00
32	2	Laborer with Service Tr	ruck @		1	
		\$89.00 Per Hour		89	0.00	2,848.00
3	3	Laborer with Service Tr	ruck OT		111	
		@ \$108.00 Per Hour		108	3.00	324.00°
				Total La	ibor	10,310.00
	ns item is non-taxable			SALE AMOUN	f	
Y	Jor For					11,166.50
Thank!	oYou From Business	Visit us at our website www.ojlaughlinplumbing.c		8.11 7 "	DX .	69,46
Wou				TOTAL.	\$	11,235.96



INVOICE NO.

3172162

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE -- SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JØ8#	TERMS	INVOICE DATE	PAGI
MAWC		MAWC	173017	net due upon receipt	5/24/17	1
QUANTITY		DESCRIPTION		UNIT PRI	OE AN	OUNT
	88 Arundel					
(	)					
	To furnish labor and m	aterial to replace lead water s	ervice to house.			
2	2	1" Flared Angle Stop		53	.56	107.1
	L	1" Copper M - FIP Ada	apter	13	.95	13.9
3	3	1-1/4" Copper Fittings	5	40		
-	L	(90-45-Couplings) 1-1/4" Copper Reduce	<i>1</i>	13	.96	41.8
	L	Bushing	ar /	12	.27	12.2
10	)	1-1/4" Type M Hard C	Copper		.51	65.1
	<u> </u>	B-Tank (Usage)			.51	11.0
1	L	Usage Of String Solde	r &		1	
		Paste			.51	5.5
	Ļ	1" Flared Tee Head			.58	89.5
1		3/4" Meter Yoke		114		114.8
1	[	Fibre Meter Box Meter Cover or Lid			.25 .46	96.2 50.4
1		St. Louis County Stop	-Box		.87	32.8
	Ī	1" Flared Angle Stop			.56	53.5
100	)	1" Type K Soft Coppe	r		.35	435.0
	Į.	Usage of Quick Plug			.90	16.9
5	5	Rock Per Ton		10	.65	53.2
				Total Material and Ot	her	L,199.5
1	L	Permit		60	00	60.0
1	L	remit		60	.00	00.00
	0			SALE AMOUNT		
(	you From Business	Visit us at our website	9			
Thank	Rusiness	www.ojlaughlinplumbing.				
@ low	b So			policina de la Malura		
00				TOTAL	3/8	



INVOICE NO.

3172162

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JO8#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/24/17	2
UANTITY		DESCRIPTION		UNIT PR	CE AI	TNUON
1		Dump Fee		70	0.00	70.00
1		Trench Safety and F	Protection		5.00	75.00
100		Bore @ \$25.00 Per			5.00	2,500.00
1		Compactor Usage			5.00	45.00
1		Skidsteer Per Day			0.00	350.00
1		Mini-Excavator Per I	Dav		0.00	350.00
1		Dump Truck Per Da			0.00	350.00
15.25		Plumber At \$118.00			3.00	1,799.50
1		Plumber OT At \$140			0.00	140.00
8		Operator At \$83.00			3.00	664.00
1		Operator OT At \$12		0.	,,,,,	00 1100
_		Hour	0100 1 61	120	0.00	120.00
16		Laborer with Service	Truck @	120	,.00	120.00
10		\$89.00 Per Hour	. Truck &	Q	9.00	1,424.00
1		Laborer with Service	Truck OT	0:	,.00	1,424.00
1		@ \$108.00 Per Hou		108	3.00	108.00
				Total La	abor	8,055.50
* mean	s item is non-taxable					
	A.			SALE AMOUN		9,255.03
Thank 6	You From Business	Visit us at our website www.ojlaughlinplumbing.com		8.1127	ax	97.28
S Court	Gora					



INVOICE NO. 3172163

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/24/17	1
QUANTITY -		DESCRIPTION -		UNIT PR	CE A	MOUNT
(8	39 Arundel					
( ,	Fo furnish labor and me	terial to replace lead water s	onies to house		1	
	TO TUTTISH IADOL AND INA	terial to replace lead water s	ervice to flouse.			
1 1		1" Flared Angle Stop 1" Copper M - FIP Ada	- utou		.56	53.56
2		1" Copper Fittings	apter	13	.95	13.95
		(90-45-Couplings)			.93	9.86
1		3/4" Brass Cap 1" Copper Reducing T	·ee		.21 .47	3.21 20.47
10		1" Type M Hard Coppe	er		.42	44.20
1		Usage Of String Solde Paste	r&	5	.51	<b>5.</b> 51
1		B-Tank (Usage)		5	.51	5 <b>.</b> 5
100 1		1" Type K Soft Copper 1" Flared Tee Head	r		.35 .58	435.00 89.58
1		3/4" Meter Yoke		114		114.8
1		Fibre Meter Box			.25	96.2
1 1		Meter Cover or Lid St. Louis County Stop	-Box		.46 .87	50.46 32.8
1		Usage of Quick Plug		16	.90	16.90
5		Rock Per Ton		10	.65	53.2
				Total Material and Ot	her	1,045.39
1		Permit		60	.00	60.00
1		Dump Fee		70	.00	70.00
	de.			SALE AMOUN	г	
and do	oYou For Business	Visit us at our websit				
Tharth	OBUNI	www.ojlaughlinplumbing	.com			
(A) tale				TOTAL	11.0	

# O.J. LAUGHLIN SINCE 1951 PLUMBING COMPANY

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088 INVOICE NO. 3172163

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

	A COMPLETE PLUMBING	SERVICE~SINCE 1951~REPAIRS~RE	EMODELING~RESIDENTA	AL~COMMERCIAL~DESIGNE	IUILD	
CUSTOMER .	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/24/17	2
QUANTITY.		DESCRIPTION		UNIT PRI	CE A1	MOUNT
1 1 80 1 1 1 12.5 6.5 8 5.5 20 10	item is non-taxable	Trench Safety and Procompactor Usage Bore @ \$25.00 Per Fo Mini-Excavator Per Day Skidsteer Per Day Dump Truck Per Day Plumber At \$118.00 Per Plumber OT At \$140.0 Operator At \$83.00 Per Operator OT At \$120.1 Hour Laborer with Service T\$89.00 Per Hour Laborer with Service T\$89.00 Per Hour	oot ay er Hour 00 Per Hour er Hour 00 Per Truck @	45 25 350 350 350 118 140 83	.00 .00 .00 .00 .00 .00 .00	75.00 45.00 2,000.00 350.00 350.00 1,475.00 910.00 664.00 1,780.00 1,080.00
-	For		W. W.	SALE AMOUNT	1	0,914.39
Thank O Your	Busines	Visit us at our websit www.ojlaughlinplumbing.		8-11/7	×	84.78
				TOTAL		



INVOICE NO.

3172172

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH,	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/24/17	1
YTITMAUC		DESCRIPTION	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	UNIT-PRI	CE	AMOUNT
	96 Arundel					
(	`					
	To furnish labor and m	aterial to replace lead water se	ervice to house.			
	i	1" Flared Angle Stop		53	3.56	53.56
:	1	1" Copper M - FIP Ada	pter		3.95	13.9
	1	3/4" Copper Reducing	Tee	7	7.79	7.79
	2	3/4" Copper Fittings			1	
		(90-45-Couplings)			3.59	7.18
	1	3/4" Copper M - FIP A		5	5.63	5.63
:	1	3/4" Sweat Full Port B	all			
	4	Valve	a Dibb		0.79	29.79
	1 4	1/2" Boiler Drain / Hos 1" Copper Fittings	se BIDD	11	11	11.1
•	т	(90-45-Couplings)		Δ	1.93	19.72
-	1	1" Female Dielectric U	nion		1.00	4.00
	1	Galvanized Steel Pipe		'		7.00
	_	3/4" x 4"	Прріо	2	64	2.64
	5	3/4" Type M Hard Cop	per		2.69	13.45
20	0	1" Type M Hard Coppe			.42	88.40
-	2	Large Touch-Down		3	3.15	6.30
	2	1" Mickey Hanger			).92	1.84
	2	1/2" Mickey Hanger			).71	1.42
12		Drywall Screw			).33	3.96
4	2	B-Tank (Usage)		5	5.51	11.02
2	2	Usage Of String Solder	r &	_	`\	
		Paste		5	5.51	11.02
	0.45			SALE AMOUNT	F.	
	Jaw Frox. Business					
(	a low of	Visit us at our website	)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Nex3	
Mark	Business	www.ojlaughlinplumbing.		5. A 25. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19	N. Com	
Show I	Je Doro				13.49	
OUGO				TOTAL	-0.	
0					1.0	



INVOICE NO.

3172172

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240

Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH,	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/24/17	2
QUANTITY		DESCRIPTION	型 21.18年1月19日	UNIT PR	ICE A	TOUNT
1		1" Flared Tee Head			9.58	89.58
1		3/4" Meter Yoke			1.81	114.81
1		Fibre Meter Box			5.25	96.25
1		Meter Cover or Lid	. D		0.46	50.46
1		St. Louis County Stor	D-BOX		2.87	32.87
100		1" Flared Angle Stop 1" Type K Soft Coppe	N#		3.56 1.35	53.56
100		Usage of Quick Plug	<b>3</b> 1		5.90	435.00
1		1" Copper Fittings		Τ.	0.90	16.90
1		(90-45-Couplings)			l.93	4.93
10		Rock Per Ton			0.65	106.50
				Total Material and O	ther	1,293.64
1		Permit		60	0.00	60.00*
2		Dump Fee			0.00	140.00*
1		Trench Safety and Pr	otection		5.00	75.00*
1		Compactor Usage			5.00	45.00*
100		Bore @ \$25.00 Per F	oot			2,500.00*
1		Skidsteer Per Day			0.00	350.00*
1		Dump Truck Per Day			0.00	350.00*
1		Mini-Excavator Per D			0.00	350.00*
15.5		Plumber At \$118.00	Per Hour	118	3.00	1,829.00*
11 22		Operator At \$83.00 P		83	3.00	913.00*
22		Laborer with Service \$89.00 Per Hour	тгиск ш	89	0.00	1,958.00*
				Total La	bor	8,570.00
* mean	s item is non-taxable					
	0			SALE AMOUN	г	9,863.64
	Jose Front		4.	400		
Thank (	Business	Visit us at our websi www.ojlaughlinplumbing		8.11.7	ax.	104.91
Wow!	You For Business		/	TOTAL	\$	9,968.55



INVOICE NO.

3172173

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

	A COMPLETE PLUMBING SERVICE ~SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD					
CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/24/17	1
QUANTITY		DESCRIPTION		UNITERI	CE AN	OUNT
31:	1 1 1 0 5 1 1 1 1 1 1 1 0 2	terial to replace lead water  1" Flared Tee Head  1" Flared Coupling St. Louis County Sto  1" Type K Soft Copp Rock Per Ton  Dump Fee Trench Safety and P Compactor Usage Skidsteer Per Day Mini-Excavator Per D Bore @ \$25.00 Per F Plumber At \$118.00 Laborer with Service \$89.00 Per Hour Operator At \$83.00	p-Box er rotection Day Foot Per Hour e Truck @	27 32 4 10 Total Material and Ot 70 75 45 350 350 25 118	.00 .00 .00 .00 .00 .00 .00	89.58 27.55 32.87 217.50 53.25 420.75 70.00 75.00 45.00 350.00 750.00 236.00 1,068.00 664.00
	A.			SALE AMOUNT		4,028.75
Thank	You From Bushness	Visit us at our webs www.ojlaughlinplumbin		8.11/1	1X	34.12
- Ofour	NF -			TOTAL	\$	4,062.87



INVOICE NO.

3172174

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundei Pl.

PO#: 5000071240 Clayton, MO 63105

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOIGE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/24/17	1
QUANTITY		DESCRIPTION	F	UNIT PRIC	DE AN	TNUOI
5 4 1	1 1 1 0 5 1 1 1 1 1 1 1 1 1 0	terial to replace lead water set  1" Flared Tee Head  1" Flared Coupling St. Louis County Stop- 1" Type K Soft Copper Rock Per Ton  Trench Safety and Pro Concrete Saw Per Day Compactor Usage Skidsteer Per Day Mini-Excavator Per Day Dump Truck Per Day Bore @ \$25.00 Per For Plumber At \$118.00 Per Laborer with Service T \$89.00 Per Hour Operator At \$83.00 Per	Box  tection  y  ot er Hour fruck @	27 32 4 10 Total Material and Ott 75 350 45 350 350 350 25 118	.00 .00 .00 .00 .00 .00 .00 .00	89.58 27.55 32.87 217.50 53.25 420.75 75.00 350.00 45.00 350.00 350.00 236.00 1,068.00 664.00
	***			SALE AMOUNT	a l	4,908.75
Thank	You From Business	Visit us at our website www.ojiaughlinplumbing.		8.47.	×	34.12
Oyou	DIC C			TOTAL	\$	4,942.87



INVOICE NO.

3172175

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240

Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH,	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/24/17	1
YTITALUC		DESCRIPTION		UNITER	OE A	MOUNT
	101 Arundel					
	101 Alunder					
	To furnish labor and ma	iterial to replace lead water s	ervice to house.			
	l	1" Flared Angle Stop		53	3.56	53.56
1		1" Copper M - FIP Ada		13	3.95	13.95
1	1	Galvanized Steel Pipe	Nipple			2.1
3	2	1/2" x 4" 1" Copper Fittings		2	2.14	2.1
`	•	(90-45-Couplings)		4	1.93	14.79
1	1	Cap 1/2" Galvanized			5.05	5.0
1		1" Female Dielectric U			1.00	4.00
10	<del>-</del>	Galvanized Steel Pipe 1" Type M Hard Copp			2.33 1.42	2.3: 44.2
1		Usage Of String Solde			1.72	77,2
	-	Paste			5.51	5.5
		B-Tank (Usage)			5.51	5.5
100		1" Type K Soft Coppe St. Louis County Stop			1.35 2.87	435.0 32.8
1		Meter Cover or Lid	-box		0.46	50.4
_	1	Fibre Meter Box		96	5,25	96.2
-	1	3/4" Meter Yoke			1.81	114.8
	1	1" Flared Tee Head			9.58	89.5
	1 5	Usage of Quick Plug Rock Per Ton			5.90 0.65	16.9 53.2
•	,	NOCK PET TOTT		10	,.05	20.2
				Total Material and O	ther	1,040.16
				SALE AMOUN	т	
	Tor			A Company		
e 1.	You For Bushness	Visit us at our websit		A CONTRACTOR	1/01/01/2	
Thank	Bush	www.ojlaughlinplumbing	.com			
Offor	Mr -			TOTAL		
0				TOTAL		



INVOICE NO.

3172175

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605 Cherry Hill, NJ 08034 JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/24/17	2
YTITIANUC		DESCRIPTION		UNITERI	OE A	MOUNT
1		Permit		60	.00	60.00
1		Dump Fee			.00	70.00
1		Trench Safety and Pr	otection		.00	75.00
1		Compactor Usage	Ottotion		.00	45.00
80		Bore @ \$25.00 Per F	oot		.00	2,000.00
1		Skidsteer Per Day	·	350		350.00
1		Mini-Excavator Per Da	ау	350	.00	350.00
1		Dump Truck Per Day	•	350	.00	350.00
16		Plumber At \$118.00 F		118		1,888.00
3		Plumber OT At \$140.		140		420.00
8		Operator At \$83.00 P		83	.00	664.00
3		Operator OT At \$120	.00 Per			
		Hour		120	.00	360.00
12		Laborer with Service	Truck @			
		\$89.00 Per Hour		89	.00	1,068.00
1.5		Laborer with Service	Truck OT	400	00	162.00
		@ \$108.00 Per Hour		108	.00	162.00
				Total La	bor	7,862.00
* mean	s item is non-taxable					
	Hart			SALE AMOUNT		8,902.16
Thank C	You grow	Visit us at our websi www.ojlaughlinplumbing		8.11/Ta	ax.	84.36
Oyour	You For Ewiness		······································	TOTAL		\$8,986.52



INVOICE NO.

3172176

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240

Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JÒB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/24/17	1
VTITVAUQ		DESCRIPTION	And the second s	UNIT PRI	CE A	MOUNT
	104 0				- 415	
	104 Arundel					
	To turnish labor and ma	terial to replace lead water	service to house.			
3		3/4" Type M Hard Co			69	8.07
	3 L	1" Type M Hard Copp 1" Copper Fittings	per	4	.42	13.26
•	•	(90-45-Couplings)		4	.93	4.93
	Į.	1" Copper Reducer /	Bushing		.67	6.67
1	l	3/4" Copper Fittings		2	F0	2.50
1	<u>I</u>	(90-45-Couplings) 3/4" MIP Dieleltric			.59 .64	3.59 7.64
3	_	3/4" Plug (Square He	ead)		.21	3.21
1		Sawzall Blades			.58	4.58
1		B-Tank (Usage) Usage Of String Sold	or &	5	.51	5.51
•	•	Paste	er oc	5	.51	5.51
1		Usage Of Teflon Tap		0	.88	0.88
1	=	Usage Of Teflon Pipe 1" Copper M - FIP Ac			.88	0.88
100		1" Type K Soft Coppe			.95 .35	13.95 435.00
1		St. Louis County Stop			.87	32.87
1	-	Fibre Meter Box			.25	96.25
1	=	Meter Cover or Lid 1" Flared Tee Head			.46	50.46
1		3/4" Meter Yoke		89 114	.58	89.58 114.81
5		Rock Per Ton			.65	53.25
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Thank	You From Business	Visit us at our websi www.ojlaughlinplumbing				
Olow	po			TOTAL		



INVOICE NO.

3172176

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

CUSTOMER	PURCHASE OFFER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/24/17	2
QUANTITY		DESCRIPTION		UNITER	ØE A	MOUNT
1		Usage of Quick Plug		16	.90	16.90
				Total Material and Ot	her	967.80
1 1 100 1 1 1 12 2.25 8 2.25	1 Permit 1 Dump Fee 1 Trench Safety and Protection 1 Compactor Usage 100 Bore @ \$25.00 Per Foot 1 Skidsteer Per Day 1 Mini-Excavator Per Day 1 Dump Truck Per Day 12 Plumber At \$118.00 Per Hour 2.25 Plumber OT At \$140.00 Per Hour 0 Operator At \$83.00 Per Hour 2.25 Operator OT At \$120.00 Per Hour 4 Laborer with Service Truck @ \$89.00 Per Hour 4 Laborer with Service Truck OT @ \$108.00 Per Hour		70 75 45 25 350 350 118 140 83	.00 .00 .00 .00 .00	60.00* 70.00* 75.00* 45.00* 2,500.00* 350.00* 350.00* 1,416.00* 270.00*  1,424.00*	
* mean	s item is non-taxable	Laborer with Service Truck OT		108 Total La		432.00° 8,321.00
				SALE AMOUNT		0 200 00
of ante	You For Business	Visit us at our website www.ojlaughlinplumbing.		8.11.2 Ta	×	9,288.80 78.49
Glow &	, Gow	www.pjiadyimipiaitibiilg.	00111	TOTAL	4	9,367.29



INVOICE NO. 3172177

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

-1		48
-1	A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD	41
-1	LACCIMPLE LE PLUMBING SERVICE ASINCE 1951 A PEPAIRS A BENYODELING A BESIDENHALACA MINIMPECIAL A DESKINADULU.	ш
	A COMMENTAL POLICE CONTRACTOR OF THE CONTRACTOR	48.

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/25/17	1
QUANTITY		DESCRIPTION		UNIT PRI	OE AV	IOUNT
	105 Arundel					
	To furnish labor and ma	terial to replace lead water se	prvice to house			
		•	TVICE to House.			
1		1" Flared Angle Stop 1" Copper M - FIP Ada	mhou		.56 .95	53.56
3		1" Copper Fittings	ptei	13	.95	13.95
J	•	(90-45-Couplings)		4	.93	14.79
1		1" C x C Copper Tee			.40	20.40
1		1" Female Dialectic Un		4	.00	4.00
1	-	Galvanized Steel Pipe I 3/8" x 4"	Vipple	າ	.14	3.14
1		1/2" Brass Cap			.14	3.14
1		Brass Nipple 1/2x4"			.58	16.58
20		1" Type M Hard Coppe	r		.42	88.40
1		B-Tank (Usage)		5	.51	5.51
1		Usage Of String Solder Paste	· &.	E	.51	5.51
80	)	1" Type K Soft Copper			.35	348.00
1		1" Flared Tee Head			.58	89.58
1		3/4" Meter Yoke		114		114.81
1		Fibre Meter Box			.25	96.25
1		Meter Cover or Lid St. Louis County Stop-	Boy		.46 .87	50.46 32.87
5		Rock Per Ton	BOX		.65	53.25
1		Usage of Quick Plug			.90	16.90
			1-11-	SALE AMOUNT	<b>₽</b>	
	Thor			<del>Lanks -</del>	7773	_
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Thank	you For Business	www.ojlaughlinplumbing.	com	ATTEN TO SE	3	
6) 1000	* 0			7071		
9				TOTAL		

INVOICE NO. 3172177



306 Saint Louis Avenue

VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO:

Missouri American Water Co

PO Box 5605 Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240

Clayton, MO 63105

	A COMPLETE PLUMBING	SERVICE~SINCE 1951~REPAIRS~REN	MODELING~RESIDENTI	AL~COMMERCIAL~DESIGNE	BUILD	
CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH.	JOB#	TERMS	INVOICE DATE	PAGE
MAWC		MAWC	173017	net due upon receipt	5/25/17	2
QUANTITY		DESCRIPTION		UNIT PRI	ĞE .	AMOUNT
1 1 1 80 1 1 1 16.5 8		Permit Dump Fee Trench Safety and Prote Compactor Usage Bore @ \$25.00 Per Foot Skidsteer Per Day Mini-Excavator Per Day Dump Truck Per Day Plumber At \$118.00 Per Operator At \$83.00 Per Laborer with Service Tru \$89.00 Per Hour	: Hour Hour	Total Material and Otl 60 70 75 45	her	1,031.10 60.00* 70.00* 75.00* 45.00* 2,000.00* 350.00* 350.00* 1,947.00* 664.00*  1,424.00* 7,335.00
	item is non-taxable			SALE AMOUNT		8,366.10
Thank Oyour	You For Business	Visit us at our website www.ojlaughlinplumbing.c	om	8.11. Ta		83.62 \$8.449.72

\$8,449.72



INVOICE NO. 3172178

306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088

636-225-0992

314-961-7327

BILL TO

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGNBUILD INVOICE DATE CUSTOMER PURCHASE ORDER NO. SERVICE TECH. PAGE JOB# TERMS MAWC MAWC 173017 5/25/17 net due upon receipt 1 QUANTITY DESCRIPTION UNIT PRICE AMOUNT 109 Arundel To furnish labor and material to replace lead water service to house. 1 1" Flared Angle Stop 53.56 53.56 1 1" Copper M - FIP Adapter 13.95 13.95 1 1" Copper Fittings (90-45-Couplings) 4.93 4.93 1 1" Copper Fittings (St. 90 - St. 45) 17.08 17.08 1 1" Copper Reducing Tee 20.47 20.47 1 3/4" Male/Female Dialectic Union 11.02 11.02 1 Usage Of String Solder & Paste 5.51 5.51 1 B-Tank (Usage) 5.51 5.51 5 1" Type M Hard Copper 4.42 22.10 1 1/2" Brass Cap 3.14 3.14 1 Brass Nipple 1/2x4" 16.58 16.58 100 1" Type K Soft Copper 4.35 435.00 1 1" Flared Tee Head 89.58 89.58 1 3/4" Meter Yoke 114.81 114.81 1 Fibre Meter Box 96.25 96.25 1 Meter Cover or Lid 50.46 50.46 1 St. Louis County Stop-Box 32.87 32.87 Usage of Quick Plug 1 16.90 16.90 SALE AMOUNT Thank Gyou For Your Business Visit us at our website www.ojlaughlinplumbing.com **TOTAL** 



306 Saint Louis Avenue VALLEY PARK, MISSOURI 63088 INVOICE NO. 3172178

636-225-0992

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BILL TO:

Missouri American Water Co

PO Box 5605

Cherry Hill, NJ 08034

JOB:

MAWC - Arundel Pl. PO#: 5000071240 Clayton, MO 63105

A COMPLETE PLUMBING SERVICE ~ SINCE 1951 ~ REPAIRS ~ REMODELING ~ RESIDENTIAL ~ COMMERCIAL ~ DESIGN/BUILD

CUSTOMER	PURCHASE ORDER NO.	SERVICE TECH,	JO8#	TERMS	INVOICE DATE	PAGE	
MAWC		MAWC	173017	net due upon receipt	5/25/17	2	
VITTANUE		DESCRIPTION	1987	UNITERI	CE A	MOUNT	
		-		Total Material and Ot	her	1,009.72	
1		Permit			.00	60.00	
1		Trench Safety and Prot	tection		.00	75.00	
1 1		Compactor Usage Dump Fee			.00	45.00 70.00	
80		Bore @ \$25.00 Per Foo	nt .		.00	2,000.00	
1		Skidsteer Per Day	,	350		350.00	
1		Mini-Excavator Per Day	/	350		350.00	
1		Dump Truck Per Day		350	.00	350.00	
16		Plumber At \$118.00 Pe		118		1,888.00	
3		Plumber OT At \$140.00		140		420.00	
8		Operator At \$83.00 Pe		83	.00	664.00	
3		Operator OT At \$120.0 Hour	iu Per	120	00	260.00	
18		Laborer with Service T	ruck @	120	.00	360.00	
10		\$89.00 Per Hour	ruck @	89	.00	1,602.00	
0.5		Laborer with Service ⊤	ruck OT	•		1,002.00	
		@ \$108.00 Per Hour		108	.00	54.00	
				Total La	bor	8,288.00	
* means	s item is non-taxable						
	L			SALE AMOUNT		9,297.72	
Thank Oyou From Oyour Business Oyour		Visit us at our website www.ojlaughlinplumbing.c		8.11. % Ta	x	81.89	
@ lowe	gjo.	, , , , , , , , , , , , , , , , , , , ,		Applied the state			
9				TOTAL		9,379.6	

Exhibit No.:

Issues: Expense/Maintenance

Witness: Jonathan Dallas Sponsoring Party: MoPSC Staff
Type of Exhibit: Rebuttal Testimony

Case No.: WU-2017-0296

Date Testimony Prepared: August 23, 2017

# MISSOURI PUBLIC SERVICE COMMISSION

# **COMMISSION STAFF DIVISION** WATER & SEWER DEPARTMENT

# **REBUTTAL TESTIMONY**

**OF** 

JONATHAN DALLAS

# MISSOURI-AMERICAN WATER COMPANY

CASE NO. WU-2017-0296

Jefferson City, Missouri August 2017

## 1 REBUTTAL TESTIMONY 2 OF 3 JONATHAN DALLAS 4 MISSOURI-AMERICAN WATER COMPANY 5 CASE NO. WU-2017-0296 6 Q. Please state your name and business address. 7 A. Jonathan Dallas, P.O. Box 360, Jefferson City, MO 65102. 8 Q. By whom are you employed and in what capacity? 9 A. I work for the Missouri Public Service Commission (Commission) as a Utility 10 Operations Technical Specialist in the Water & Sewer Department (W/S Dept.) in the Utility 11 **Operations Division** 12 Q. Please briefly describe your job responsibilities. 13 A. One of my primary responsibilities is the inspection of large and small 14 privately owned water and sewer facilities around the state. I prepare a detailed report and 15 memorandum. If the inspection is due to a small company rate request, the memorandum is 16 filed with the Commission as a part of a Disposition Agreement. As part of my inspections, 17 I am also responsible for determining if company projects are prudent and necessary. I am 18 also responsible for responding to customer complaints and working with the customers and 19 companies to resolve issues. 20 Q. What is your educational background? 21 A. I have a Bachelor of Science Degree: Major Construction Management from 22 the University of Central Missouri.

- Q. What is your previous work experience?
- A. Before coming to work at the Commission, I worked for the City of Columbia, specifically the Columbia Water & Light Department (Water & Light) where I was employed as an Engineering Aide II. My primary job was a water main inspector. As a water main inspector, I was responsible for making sure contractor crews who were constructing new water mains did so in a manner which met the city's codes and specifications. Prior to working for Water & Light, I worked for Twehous Excavating Company (Twehous) in Taos, Missouri as a labor/operator. At Twehous, I primarily worked on a utility crew which was responsible for replacing old water mains in Jefferson City.
  - Q. Do you have a summary of your education and work experience?
- A. Yes, please refer to Schedule JD-r1 attached to this testimony for a summary of my education and work experience backgrounds.
  - Q. Have you previously testified before this Commission?
  - A. Yes, I have testified in Case No. WO-2017-0236.
  - Q. What is the purpose of your rebuttal testimony?
- A. To respond to the testimony of the Office of the Public Counsel (OPC) witness Geoff Marke.
  - Q. Will anyone else from Staff be filing testimony?
- A. Yes, James Merciel will file testimony addressing MAWC's proposal and OPC's pilot program and Amanda McMellen will address the accounting issues.
  - Q. What is a water service line?
- A. A water service line is a pipeline through which water flows into a customer's premise whether the premise is a house, a commercial building, or a series of connected

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living units. The water service line connects a utility-owned water main that is part of a water distribution pipeline system throughout the water utility's service area to a customer's premise. For most customers, the water main is near or under a street.

- Q. Who owns and controls water service lines?
- A. In most cases, the water utility owns the portion of the water service line between the water main and a point at or near the property line. At this location, there is often an utility-owned water meter. The remaining portion of the water service line is owned by the customer. However, specific to MAWC's customers in St. Louis County, customers own the entire water service line between the water main and the premise. There are, of course, variations on water main location and meter location. Service lines and water mains are defined in MAWC's tariff, and the tariff includes rules detailing customer and MAWC responsibilities for ownership and maintenance of service lines and portions of service lines.
  - Q. Are water service lines made of any specific material??
- A. No. The most common material used today is copper. However poly vinyl chloride (PVC) is also rather common, as are a couple of other types of plastic. In past years, galvanized iron was used extensively, as was lead.
  - Do you have any prior experience with Lead Service Lines (LSL)? Q.
- Yes, in my previous job with Twehous, I worked on a utility crew where we A. frequently performed water main replacements in Jefferson City for Missouri American Water Company ("MAWC" or "Company"). As part of the main replacements, we were responsible for connecting the existing service lines to the new main. Usually the service lines were copper but occasionally we would encounter a LSL.

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Q. What did you do when you discovered a LSL?

A. When a LSL was discovered, during a main replacement project MAWC would insure the LSL was replaced with copper from the meter to the new water main.

- Q. Why did you only replace the LSL from the main to the meter?
- A. In the Jefferson City service area, MAWC only owns the service line from the main to the meter or property line. Further, addressing the issue of the potential for lead in drinking water was not as prominent as it is today.
  - Q. Why were LSLs not as big of a concern then?
- A. Before the Flint Michigan incident, LSLs were not as much of a concern because properly treated noncorrosive water will not leach lead out of customer service lines or other fixtures in the water system. After Flint, Michigan, there was a spotlight on the danger of failures in chemically treating water, which in turn increased conversations nationwide about removing lead pipes to proactively remove risks. This is addressed in the EPA's "Lead and Copper Rule Revisions White Paper" dated October 2016 the first key principle for LCR revisions cited is "Focus on Minimizing Exposure to Lead in Drinking Water.<sup>1</sup>"
  - Q. Has the Company's policy on LSLs changed?
- A. Yes, the Company is currently replacing all LSLs it encounters, whether the LSL's are on main replacement projects, main breaks, or service line repairs. The Company is now replacing the full length of the lead service line, both Company and customer portions.
  - Q. Do you agree with this practice?
  - A. Yes, I do.

<sup>&</sup>lt;sup>1</sup> The EPA White Paper is included with the rebuttal testimony of Staff witness James A. Merciel, Jr.

- Q. In your opinion, is this a good practice?
- A. Yes. Based on recent articles and studies from organizations such as the Environmental Protection Agency (EPA), it is suggested that only replacing a portion of a LSL can increase the chance of lead leaching into the water because cutting a LSL can dislodge the scale inside the service line allowing the water to come directly into contact with lead.
  - Q. Are there any specific articles which point this out?
- A. Yes, in the EPA's "Lead and Copper Rule Revisions White Paper" dated October 2016 the first key principle for LCR revisions cited is "Focus on Minimizing Exposure to Lead in Drinking Water: Improve public health protection by reducing exposure to lead in drinking water to the maximum amount possible through proactive measures to remove sources of lead and educating consumers about the health effects of lead and actions to reduce exposure." EPA goes on to state, in summary, that partial lead service line replacement is not the best way to achieve this goal, as partial lead service line replacement often results in elevated lead readings due to the leaching mechanism, discussed above.
  - Q. What other experience have you had with MAWC and LSLs?
- A. On August 4, 2017, Mr. Merciel and I visited a MAWC main replacement project in St. Louis County, specifically on Summit Avenue and Eunice Avenue in Webster Groves.
  - Q. Please describe what you witnessed there.
- A. First, we observed yard and street patches where several LSLs had been replaced. Second, we witnessed a MAWC-hired plumbing contractor installing a new one-inch copper service into place to replace an old LSL.

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Q. What else did you see?

A. Next, we observed a LSL still connected to the old four-inch cast iron water main, which MAWC was replacing with a new eight-inch PVC main. We also saw where MAWC had dug up a service line in a customer's yard to verify it was a LSL. Attached as Schedules JD-r2, JD-r3, and JD-r4 are three pictures depicting this.

Q. Can you explain MAWC's process for replacing water mains?

A. Yes. Each year, MAWC reviews its records, which show a history of main breaks on a given main, the age of a water main, the frequency of main breaks, any upcoming road improvements such as resurfacing or sidewalk replacement, and the economic impact of replacing a main versus repair. MAWC also looks at where there might be a high probability of LSLs located by looking at "tap cards", which have been integrated into their GIS mapping system.

Q. What is a tap card?

A. A tap card is piece of paper a utility worker fills out when they connect a customer's service line to a water main. The tap card typically contains a variety of information such as size of the service line, size of the main the service is connected to, type of material the main is constructed of, type of material the service is constructed of, and various other facts like location, approximate depth, the date installed and so on.

Q. What is a GIS map?

A. GIS stands for Geographic Information System. GIS allows MAWC to view its entire infrastructure with the click of a mouse. The data available to MAWC includes main size, type of main, approximate location, main breaks, location of fittings such as valves,

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fire hydrants and, elbows. It also allows MAWC to view tap cards, which may or may not have information on the material used to construct the water service.

- Q. How is MAWC verifying if LSLs are present on a main replacement project?
- A. During Staff's visit to MAWC's office, MAWC explained before a project begins, it reviews its records and GIS map to identify possible LSLs. During the project MAWC inspects customer service lines at three locations to verify there is no lead present.
  - Q. What is one of the locations MAWC is inspecting to check for a LSL?
- A. At the site visit, MAWC stated it digs the service line up at the meter pit or curb stop in the customer's yard to verify what material the service line is constructed of. This would be approximately near the middle of the service line. Staff observed one such hole MAWC had excavated. A picture is attached as Schedule JD-r3.
  - Q. What method is MAWC using to expose the service line?
- A. On the site visit, MAWC stated to Staff that they are using a soft dig method to expose the water service line.
  - Q. Please explain what you mean by "soft dig"?
- A. Soft dig is an excavation method that utilizes high-pressure water to soften up dirt, which is then vacuumed up by a large vacuum. This method exposes the service line without the potential of breaking them or other buried utilities.
- Q. What other locations of the service line is MAWC looking at to identify whether or not there is lead present?
- A. The Company is also meeting with customers to gain entry to their basements to verify what type of water service line is entering their home.

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- Q. What is the last location on the service line the Company is examining?
- A. When the Company prepares to tie the water service over from the old water main to the new water main, the Company will expose the service line at the old main if it was not previously exposed as the Company installs the new water main.
  - Q. When do you believe it makes the most sense to replace LSLs?
- A. In my opinion the best time to replace a LSL is during a main replacement project.
  - Q. Why do you believe that is the best time?
- A. To me it makes the most sense because MAWC will already have both the new water main dug up and the service line so it can be connected to the new main. MAWC is essentially doing half the work during a main replacement. Also as stated above it is believed that if a LSL is disturbed at all, it is the best practice to undertake a full LSL replacement.
  - Q. Does this conclude your testimony?
  - A. Yes, it does.

# BEFORE THE PUBLIC SERVICE COMMISSION OF THE STATE OF MISSOURI

In the Matter of the Application of Missouri-American  Water Company for an Accounting Order  Concerning MAWC's Lead Service Line  Replacement Program  Case No. WU-2017-0296				
AFFIDAVIT OF JONATHAN DALLAS				
State of Missouri ) ) ss. County of Cole )				
<b>COMES NOW</b> Jonathan Dallas, and on his oath declares that he is of sound mind and lawful age; that he contributed to the foregoing Rebuttal Testimony; and that the same is true and correct according to his best knowledge and belief.				
Further the Affiant sayeth not.  Jonathan Dallas				
JURAT				
Subscribed and sworn before me, a duly constituted and authorized Notary Public, in and for the County of Cole, State of Missouri, at my office in Jefferson City, on this <u>\$3rd</u> day of August, 2017.				
NOTARY PUBILIC				
My commission expires:				
DIANNA L. VAUGHT Notary Public - Notary Seal State of Missouri Commissioned for Cole County My Commission Expires: June 28, 2019 Commission Number: 15207377				

#### **Jonathan Dallas**

#### EMPLOYMENT:

## 7/15-Present State of Missouri, Public Service Commission

Utility Operations- Technical Specialist, Water and Sewer Department

- Inspected large and small water and sewer facilities around the state.
- Prepared detailed reports and memorandums to be filed with the Commission.
- Responded to customer complaints and worked with the customer and company to resolve them.
- Determined if company expenditures were prudent.

## 8/13-07/15 City of Columbia, Water & Light

Associate Engineering Technician

- Inspected construction of new water mains; public and private.
- Completed accurate as-builts and final inspection reports.
- Preformed chlorination, dechlorination, bacteria tests, and pressure tests.
- Used AutoCAD to draw as-builts of completed jobs.
- Used Excel for a chlorination spread sheet.

## 06/04-08/13 Twehous Excavating Co.

Laborer, Operator

- Installed water main, sewer main, and storm drain.
- Installed sewage treatment facilities.
- Repaired water main breaks.

## **EDUCATION/TRAINING:**

8/04-12/08 University of Central Missouri

Bachelor of Science Degree, Major: Construction Management

4/201 6 Missouri Department of Natura l Resources

Water Distribution Level I (DSI)

# **Previously Filed Testimony:**

Case No.	Company	Type of Filing	Issue
WO-2017-0236	Ridge Creek Water	Oral	Safe and Adequate
	Company, LLC		Service



An example of a LSL replacement where the water main is on the opposite side of the street from the customer's home. This photograph is in the St. Louis County service area where the customer owns the entire service line.



This picture shows a customer's service line that MAWC has exposed during a water main replacement. MAWC exposed the customer's service line to verify if it is lead. On the left is a short piece of copper which is then connected to a lead service line.



Pictured here is a lead service line connected to an old four-inch cast iron water main, appearing near the top of the picture. The old main is being replaced with a new eight-inch PVC water main, appearing at the bottom of the picture, and the lead pipe portion of the service line will be replaced with new copper pipe.

Page 1 of 1