

Exhibit No.: 127  
Issues: Description of Missouri-American Water  
and Operational Facilities, Tank Painting  
Tracker Adjustment, Tariff Rules  
Consolidation, Various Activity Charges  
Witness: Greg A. Weeks  
Exhibit Type: Direct  
Sponsoring Party: Missouri-American Water Company  
Case No.: WR-2010-XXXX  
SR-2010-XXX  
Date: October 30, 2009

**MISSOURI PUBLIC SERVICE COMMISSION**

**CASE NO. WR-2010-XXXX  
CASE NO. SR-2010-XXX**

**DIRECT TESTIMONY**

**OF**

**GREG A. WEEKS**

**ON BEHALF OF**

**MISSOURI-AMERICAN WATER COMPANY**


MAWC Exhibit No. 127  
Date 5-17-10 Reporter KF  
File No. WR-2010-0131

BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF MISSOURI

IN THE MATTER OF MISSOURI-AMERICAN ) WATER COMPANY FOR AUTHORITY TO ) FILE TARIFFS REFLECTING INCREASED ) RATES FOR WATER AND SEWER ) SERVICE )	CASE NO. WR-2010-XXXX CASE NO. SR-2010-XXXX
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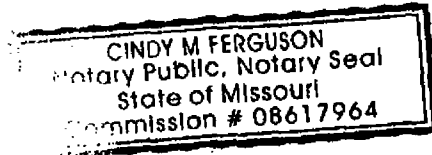
AFFIDAVIT OF GREG A. WEEKS

Greg A. Weeks, being first duly sworn, deposes and says that he is the witness who sponsors the accompanying testimony entitled "Direct Testimony of Greg A. Weeks"; that said testimony and schedules were prepared by him and/or under his direction and supervision; that if inquires were made as to the facts in said testimony and schedules, he would respond as therein set forth; and that the aforesaid testimony and schedules are true and correct to the best of his knowledge.

  
\_\_\_\_\_  
Greg A. Weeks

State of Missouri  
County of St. Louis  
SUBSCRIBED and sworn to  
Before me this 22 day of October 2009.

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



My commission expires: 8/12/12

**DIRECT TESTIMONY  
GREG A. WEEKS  
MISSOURI-AMERICAN WATER COMPANY  
CASE NO. WR-2010-XXXX  
SR-2010-XXX**

**TABLE OF CONTENTS**

I.	Witness Introduction .....	1
II.	Description of MAWC and Operating Facilities.....	4
III.	Tank Painting Tracker Adjustment.....	8
IV.	Tariff Rules Consolidation .....	15
V.	Various Activity Charges .....	19

1 **DIRECT TESTIMONY**

2 **Greg A. Weeks**

3  
4 **I. WITNESS INTRODUCTION**

5 **Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.**

6 A. My name is Greg A. Weeks and my business address is 727 Craig Road,  
7 St. Louis, Missouri 63141.

8  
9 **Q. WHAT POSITION DO YOU HOLD WITH MISSOURI-AMERICAN**  
10 **WATER COMPANY?**

11 A. I am the Vice President of Operations for Missouri-American Water  
12 Company ("MAWC" or the "Company").

13  
14 **Q. WHAT DO YOUR JOB RESPONSIBILITIES INCLUDE?**

15 A. I am responsible for the day-to-day development, management and  
16 operations of the Company's 9 water and 3 wastewater districts, which  
17 include the treating and furnishing of potable water; collection, treating and  
18 discharging of waste water; the provision of customer service; the safety  
19 and continuity of the Company's operations; and the upkeep and  
20 maintenance of the Company's facilities. I am responsible for the  
21 personnel employed within the Operations function as well as the  
22 development and maintenance of harmonious and productive personnel  
23 relations within Operations and between Operations and the other

1 functions with which it interacts. I am responsible for maintaining contact  
2 with local government officials, business representatives, and civic  
3 organizations. I also supervise the annual budgets covering capital  
4 investments and operation and maintenance expenditures and the  
5 construction of facilities occurring under the management of Operations  
6 employees. Additionally, I have the responsibility of controlling such  
7 expenditures upon their authorization by the Board of Directors. Finally, it  
8 is my responsibility to supervise water quality, production, distribution, and  
9 customer service activities, and procedures and their effectiveness.

10

11 **Q. PLEASE DESCRIBE YOUR EDUCATIONAL BACKGROUND.**

12 A. I received a Bachelors of Science degree in Civil Engineering in 1980 from  
13 the University of Missouri – Rolla and a Masters in Business  
14 Administration from Saint Louis University in 1996.

15

16 **Q. PLEASE OUTLINE YOUR BUSINESS EXPERIENCE.**

17 A. In 1981, I began my career with Exxon Co. USA located in Midland,  
18 Texas. I worked in various assignments from 1981 through 1987 as a  
19 District Reservoir Engineer, in Regulatory Affairs on both oil and gas  
20 regulation and environmental permitting, and as an engineer on a tertiary  
21 recovery pilot project. I went to work for St. Louis County Water Company  
22 in 1987 in the Engineering department primarily working on water main  
23 design and construction management. In 1990, I moved to St. Louis

1 County's System Operations group and focused on hydraulic modeling,  
2 control systems, and tank & booster design and construction. In 1992, I  
3 was promoted to Plant Engineer responsible for daily operation, capital  
4 and operating budgets, and personnel for the 40 MGD South County  
5 Plant. In 1994, I was promoted to Operations Superintendent over the  
6 System Operations department and managed the daily operation, control,  
7 budgets, and hydraulics of the St. Louis County system. During this period  
8 St. Louis County Water Company was acquired by American Water and  
9 became part of the Missouri-American Water Company. In 2002, I was  
10 promoted to Manager of Southwest Operations in Joplin. There I was  
11 responsible for all aspects of operations of the Joplin system. Included in  
12 this responsibility was leading the effort to build a regional approach to  
13 addressing the long term source of supply needs in a three state area. In  
14 2004, I was promoted to General Manager of Network operations for  
15 MAWC responsible for all aspects of operations for the ten water and  
16 three waste water districts in Missouri. In 2009, I became vice President of  
17 Operations, maintaining the responsibilities of my previous position and  
18 adding responsibility for the Production, Water Quality, and Environmental  
19 areas of the operation.

20

21 **Q. ARE YOU A MEMBER OF ANY PROFESSIONAL ORGANIZATIONS?**

22 **A.** Yes, I am a member of the American Water Works Association. I am a  
23 registered Professional Engineer in the states of Missouri and Texas and I

1 hold my Class A and DS III Water Licenses from the Missouri Department  
2 of Natural Resources.

3  
4 **Q. HAVE YOU TESTIFIED BEFORE ANY REGULATORY COMMISSIONS?**

5 A. Yes. As part of my assignment with Exxon, I testified before the oil & gas  
6 regulators in Texas, Oklahoma, Wyoming, and New Mexico. I have also  
7 testified before the Missouri Public Service Commission in a prior rate  
8 case.

9  
10 **Q. WHAT ARE THE SUBJECTS FOR WHICH YOU WILL BE PROVIDING**  
11 **TESTIMONY?**

12 A. I will discuss the following subjects:

- 13 1. Description of MAWC and its operating facilities;
- 14 2. Tank Painting Tracker adjustment; and,
- 15 3. Consolidation of tariff rules.
- 16 4. Rates for various activities, such as service activation,  
17 discontinuance for non-pay, returned payments, etc.

18  
19 **II. DESCRIPTION OF MAWC AND OPERATING FACILITIES**

20 **Q. PLEASE DESCRIBE MAWC.**

21 A. MAWC provides water utility service to over 455,000 customers in and  
22 around 121 communities throughout the State of Missouri. We provide  
23 water service to districts ranging in size from St. Louis Metro (largest) to

1 Brunswick (smallest). We also provide sewer utility service in our Parkville,  
2 Warren County, and Cedar Hill operations.  
3

4 **Q. PLEASE GENERALLY DESCRIBE MAWC'S PLANT AND PROPERTY,**  
5 **AS OF JUNE 30, 2009.**

6 A. As of June 30, 2009, the Company's utility plant accounts included land  
7 and land rights, structures and improvements, collecting and impounding  
8 reservoirs, wells, pumping equipment and associated facilities, purification  
9 plant and equipment, sludge disposal facilities, transmission and  
10 distribution mains, distribution storage facilities, service lines (excepting  
11 those in St. Louis County), meters, hydrants and other facilities, including  
12 materials and supplies.  
13

14 **Q. PLEASE GENERALLY DESCRIBE MAWC'S SOURCES OF WATER**  
15 **SUPPLY, TREATMENT FACILITIES, PUMPING EQUIPMENT AND**  
16 **DISTRIBUTION SYSTEM PROPERTY.**

17 A. MAWC draws water for our 9 water districts from surface supplies, wells  
18 and/or infiltration galleries. About 87% of the total source of supply comes  
19 from surface supply and 12% comes from wells and infiltration galleries.  
20 The remaining 1% is purchased water. Eleven water treatment facilities  
21 produced an average of over 202 million gallons daily from July 1, 2008  
22 through June 30, 2009, or approximately 74 billion gallons annually.  
23 These plants provide various types of treatment appropriate for each



1 supply. The treatment processes include sedimentation and filtration,  
2 clarification, disinfection, taste and odor removal, organic chemical  
3 absorption, iron and manganese removal or sequestering, pH adjustment,  
4 corrosion control, and fluoridation for dental prophylaxis, all in order to  
5 meet or exceed the standards of the drinking water regulations of the  
6 Drinking Water Branch of the Missouri Department of Natural Resources  
7 (MoDNR), the United States Environmental Protection Agency (EPA),  
8 municipal and county fluoridation ordinances, and a municipal water  
9 softening franchise requirement. The Company has in excess of 5,700  
10 miles of transmission and distribution mains ranging in size from 1-inch to  
11 42-inch diameter. The Company has 42,391 fire hydrants available for  
12 public fire service. Seventy-one potable water storage tanks (not including  
13 plant wash water tanks), with total capacity of approximately 145 million  
14 gallons, are strategically located in the service areas for drawdown during  
15 peak demand periods and for fire protection services.

16  
17 **Q. PLEASE GENERALLY DESCRIBE MAWC'S WASTE WATER**  
18 **OPERATIONS.**

19 A. MAWC operates a waste water collection system in the Platte County  
20 Operation and waste water collection and treatment systems in the Cedar  
21 Hill and Warren County Operations. The waste water system facilities  
22 consist of approximately 19.5 miles of collection mains ranging in size  
23 from 2-inch to 10-inch diameter. There are approximately 600 manholes

1 and 10 lift stations in these systems. From July 1, 2008 through June 30,  
2 2009 these collection mains collected an average of over 298,000 gallons  
3 of waste water daily. There exist a total of 3 mechanical waste water  
4 treatment plants in the Cedar Hill and Warren County Operations. The  
5 average daily volume of waste water treated by these plants from July 1,  
6 2008 through June 30, 2009 was over 283,000 gallons for an annual total  
7 of over 103 million gallons.  
8

9 **Q. WHAT IS THE CONDITION OF MAWC'S UTILITY PROPERTY?**

10 A. MAWC maintains its water and waste water utility properties in a good  
11 state of operating condition for the rendering of water and waste water  
12 utility service. The reports of inspections conducted by the MoDNR  
13 confirm the Company's operations are in compliance with state and  
14 federal drinking water and waste water laws and regulations. Kevin  
15 Dunn's Direct Testimony contains information regarding the Company's  
16 capital investment activities that, in addition to utility property maintenance  
17 and operation, are critical to the provision of safe and adequate water  
18 utility service.  
19

20 **Q. ARE ALL OF THE FACILITIES THAT ARE INCLUDED IN THE UTILITY**  
21 **PLANT ACCOUNTS OF MAWC IN SERVICE AND REASONABLY**  
22 **NECESSARY FOR THE PROVISION OF SAFE AND ADEQUATE**  
23 **WATER AND WASTE WATER SERVICE?**

1 A. Yes. All of MAWC's property is necessary for and is being used to fulfill  
2 the Company's responsibility to provide safe and adequate water and  
3 waste water utility service.  
4

### 5 **III. TANK PAINTING TRACKER ADJUSTMENT**

6 **Q. WHAT IS THE TANK PAINTING TRACKER?**

7 A. The Tank Painting Tracker (Tracker) is a form of accounting treatment that  
8 allows for tank painting expense to be tracked and identified separately  
9 from other items of expense. More specifically, the Tracker facilitates  
10 direct auditing of Company financial records to determine its level of  
11 expenditures over time on the repainting of its tanks.  
12

13 **Q. HOW DOES THE TRACKER WORK?**

14 A. The Tracker is currently set at an average level of expenditure on tank  
15 painting of \$1,000,000 per year. If the Company is expending funds on  
16 tank painting at the average rate of \$1,000,000 per year, this liability (or  
17 asset) has a value of zero at the end of the year. Upon inspection of the  
18 Company's financial records, the Company's amount of expense on this  
19 category of maintenance can readily be determined from the value of the  
20 Tracker liability (asset) account.  
21

22 **Q. WHAT IS THE PURPOSE OF THIS TRACKER?**

1 A. From one rate filing to the next there is the opportunity to review the  
2 balance in the Tracker liability (asset) account and determine how to  
3 address this amount. This Tracker mechanism acts as an incentive to the  
4 Company to make sure it expends the average of \$1,000,000 per year on  
5 tank painting and protects the customer, if the Company spends less than  
6 \$1,000,000 on tank painting.  
7

8 **Q. DOES THE CURRENT TRACKER ENCOURAGE AN OPTIMAL LEVEL**  
9 **OF TANK PAINTING ACTIVITY?**

10 A. No. The current Tracker only encourages the Company to spend  
11 \$1,000,000 per year on tank painting. A tank painting expenditure of  
12 \$1,000,000 is not the optimal level of annual tank painting activity.  
13

14 **Q. DOES THE COMPANY BELIEVE THERE IS A DIFFERENT VALUE AT**  
15 **WHICH THE TRACKER SHOULD BE SET THAT BETTER MATCHES**  
16 **THE VALUE OF ANNUAL TANK PAINTING EXPENSE WITH THE**  
17 **OPTIMAL LEVEL OF TANK PAINTING ACTIVITY APPROPRIATE FOR**  
18 **THE COMPANY'S TANKS AND IF SO WHAT IS THAT VALUE?**

19 A. Yes, the Company believes that based on 2009 pricing a value for the  
20 Tracker of \$1,600,000 per year supports an optimal level of average  
21 annual tank painting activity.  
22

23 **Q. HOW WAS THIS AMOUNT CALCULATED?**

1 A. Schedule GAW-1 supports this conclusion by first calculating the total cost  
2 to paint all the Company's tanks. This was done by estimating the cost to  
3 paint the interior and exterior surfaces of each tank based on the unique  
4 features of each tank such as tank type (i.e. riveted or welded steel), tank  
5 surface area, and whether it is an elevated or ground tank. The tank  
6 interior cost estimates were added together to arrive at a total estimated  
7 cost to paint all tank interior surfaces of \$11,058,000. The tank exterior  
8 surface cost estimates were added together to arrive at a total estimated  
9 cost to paint all tank exterior surfaces of \$6,653,000. These expense  
10 totals were then divided by the total number of tanks (including steel tank  
11 like structures at the plants) in the Company's districts (97) to arrive at an  
12 average per tank interior surface painting expense of \$114,000 and  
13 exterior surface painting expense of \$68,587.

14 Determining the average total annual level of expense to maintain the  
15 surfaces of the Company's tanks requires a determination of the average  
16 life expectancy per paint coating. Like the estimated cost to paint each  
17 tank's interior and exterior surfaces, each tank's unique aspects were  
18 considered, most importantly its existing coating type. For example, all  
19 other things being equal, if a tank's interior coating was epoxy paint it was  
20 assigned a different life expectancy from that of an exterior surface coated  
21 with acrylic paint. After assigning life expectancies to each tank's interior  
22 surface the sum of these life expectancies was divided by the Company's  
23 total number of tanks (97) to arrive at an average tank interior paint

1 coating life expectancy of 13.7 years. Similarly, an average tank exterior  
2 paint coating life expectancy of 9 years was calculated.

3 By dividing the number of tanks in the Company's districts (97) by the  
4 calculated average life expectancy of a tank interior paint coating of 13.7  
5 years the Company calculated an average of 7 tank interiors per year to  
6 be painted such that, on average, tank interior surfaces are being  
7 repainted on a frequency that equals their life expectancies. Similarly,  
8 with an average tank exterior paint coating life expectancy of 9 years the  
9 calculated average number of tank exterior surfaces per year to be  
10 painted is 11 (i.e.,  $97/9$ ).

11 By multiplying the average tank interior surface painting expense  
12 (\$114,000) by the average number of tank interior surfaces per year to be  
13 painted (7), an average total annual tank interior painting expense of  
14 \$798,000 results. By applying this same calculation with respect to tank  
15 exterior surfaces, an average total annual tank exterior painting expense  
16 of \$754,457 results (i.e.,  $\$68,587 \times 11$ ).

17 In addition to direct tank painting expense, there is the annual expense of  
18 what is termed as washout & inspection of the tank interior and visual  
19 inspection of tank exterior coatings not under warranty to determine their  
20 condition. As determined by the method described above, by multiplying  
21 the average annual number of tank interiors to be painted (7) by the  
22 warranty period in years (5) for each tank, as part of a continuous process  
23 of tank painting, this results in 35 tank interiors under warranty in any

1 given year. By subtracting the number of tank interiors under warranty (35)  
2 from the total number of tanks in the Company's districts (97) this leaves  
3 an average of 62 tank interiors that each should receive inspection on a  
4 four year cycle. By dividing the number of tank interiors not under  
5 warranty (62) by the period in years between interior tank inspections (4)  
6 this results in the need for an average of 16 washouts & inspections of  
7 tank interiors per year. By multiplying the cost per washout & inspection  
8 (\$2,725) by the average number of washouts & inspections to be  
9 conducted each year (16) the average total annual washout & inspection  
10 expense is \$43,600. A similar process was applied to the calculation of  
11 the visual tank exterior inspection expense to arrive at an average total  
12 annual visual tank exterior inspection expense of \$8,240. Adding together  
13 these average total annual inspections and painting expenses produces  
14 an average grand total annual tank maintenance expense of \$1,604,297,  
15 based on 2009 pricing. The 2009 budget mirrors this average very closely  
16 at \$1,606,476.

17  
18 **Q. DOES MAWC BELIEVE \$1,000,000 PER YEAR OF TANK PAINTING**  
19 **EXPENSE IS REPRESENTATIVE OF THE LEVEL OF EXPENSE IT**  
20 **WILL INCUR GOING FORWARD FROM THE DATE OF THE ORDER IN**  
21 **THIS RATE CASE?**

22 **A.** No. As mentioned previously in this testimony the figure of \$1,000,000 is  
23 based on 2007 pricing and fewer tanks painted per year. MAWC believes

1 its tank painting costs going forward from the order in this rate case will be  
2 higher in order to keep more tanks painted on schedule and reflect the  
3 cost increases of inputs such as labor, materials, and fuel.  
4

5 **Q. DOES MAWC HAVE AN ESTIMATE OF WHAT IT EXPECTS THE**  
6 **VOLUME OF TANK PAINTING ACTIVITY DESCRIBED IN THIS**  
7 **TESTIMONY TO COST GOING FORWARD FROM THE DATE OF THE**  
8 **ORDER IN THIS RATE CASE?**

9 A. Yes, MAWC estimates the same volume of tank painting activity  
10 expressed as \$1,600,000 in 2009 pricing will cost approximately  
11 \$1,650,000 in 2010 pricing.  
12

13 **Q. DOES MAWC EXPECT THE 2010 PRICING TO BE KNOWN ON OR**  
14 **BEFORE THE TRUE-UP DATE IN THIS CASE?**

15 A. Yes. In addition, MAWC expects to have executed contracts in place for  
16 its 2010 tank painting projects on or before the true-up date for this rate  
17 case.  
18

19 **Q. DOES MAWC EXPECT TO TRUE-UP ITS FILING IN THIS RATE CASE**  
20 **WITH RESPECT TO THE VALUE OF THE TANK PAINTING TRACKER**  
21 **BASED ON THE PRICES SPECIFIED IN THE TANK PAINTING**  
22 **CONTRACTS IT EXPECTS TO EXECUTE ON OR BEFORE THE TRUE-**  
23 **UP DATE FOR THIS RATE CASE?**



1 A. Yes.

2

3 **Q. WHAT INDICATIONS CAN THE COMPANY PROVIDE THAT GOING**  
4 **FORWARD FROM THE DATE OF THE ORDER IN THIS RATE CASE IT**  
5 **WILL COMPLETE AN AVERAGE TOTAL ANNUAL LEVEL OF TANK**  
6 **MAINTENANCE OF \$1,600,000?**

7 A. First, the Company is currently completing its 2009 tank painting projects  
8 and plans to have those projects completed by the year end. Although the  
9 Tracker is currently set at a value of \$1,000,000 annually, the level of tank  
10 painting expense the Company intends to complete in 2009 is \$1,600,000.  
11 Using this approach, Staff will be able to verify that the level of tank  
12 painting expense incurred by the Company in 2009 far exceeds the  
13 \$1,000,000 currently assigned to the Tracker.

14 Second, as mentioned above, the Company is planning to execute a  
15 contract with a painting contractor for the performance of its 2010 tank  
16 painting projects on or before the true-up date in this case. In this contract  
17 the Company anticipates contracting for a volume of tank painting activity  
18 equivalent to that supported by the \$1,600,000 at 2009 pricing, currently  
19 proposed in this rate case, contingent upon regulatory approval of a  
20 Tracker value equal to the dollar value of said 2010 tank painting contract  
21 (at the time of the submission of this testimony, it is estimated to be  
22 approximately \$1,648,000, or a 3% increase in contract costs). Third, as  
23 stated previously in this section of my testimony, by the very nature of the

1 Tracker, the Company is encouraged to incur an average annual tank  
2 painting expense equal to the value of the tracker, no more and no less.  
3

4 **Q. IN SUMMARY, WHAT DOES THE COMPANY BELIEVE TO BE AN**  
5 **OPTIMAL VALUE AT WHICH TO SET THE TRACKER?**

6 A. The optimal value at which to set the Tracker is that value that supports an  
7 average tank painting frequency that matches the average life expectancy  
8 of a tank's paint coating. On average, for MAWC, that value is \$1,600,000  
9 at 2009 prices and may very well be a higher value based on contracts  
10 MAWC executes prior to the true-up date.  
11

12 **IV. TARIFF RULES CONSOLIDATION**

13 **Q. WHAT IS THE PURPOSE OF FILING THIS RULE CONSOLIDATION?**

14 A. The purpose of the tariff rules consolidation is to establish, to the greatest  
15 extent possible, one set of rules that would be applicable to all of MAWC's  
16 water operations. Currently, MAWC operates under a number of separate  
17 (and in some cases different) tariff rules depending on the District served.  
18 This situation resulted from the fact that as Missouri-American Water  
19 Company acquired various properties in Missouri, it also acquired, or  
20 adopted, the legacy tariffs of the company that it was acquiring. For  
21 example, MAWC currently has separate tariff rules for its St. Joseph  
22 District, its Joplin District, its Parkville, Brunswick, Warrensburg, Mexico

1 and St. Charles Districts (which were acquired from Avatar), its Jefferson  
2 City District, its Warren County District and its St. Louis County District.  
3

4 **Q. WHY IS TARIFF CONSOLIDATION APPROPRIATE?**

5 A. The consolidation of the rules will improve efficiencies and allow all of our  
6 water operations to work under the same guidelines. This will also improve  
7 our effectiveness in handling customer issues, improve customer service,  
8 and provide consistency for customers between districts and with  
9 regulators.  
10

11 **Q. WHAT IS THE INTENT FOR THE EXISTING WATER RULES?**

12 A. The consolidated tariff rules as contained in Schedule GAW-2 will  
13 completely replace all existing tariff rules for each of the various water  
14 districts.  
15

16 **Q. WILL THIS INCLUDE THE TARIFF RULES FOR THE WASTE WATER  
17 OPERATIONS?**

18 A. No. The existing rules for the waste water operations in Parkville, Cedar  
19 Hill, and Warren County will remain in place at this time.  
20

21 **Q. ARE YOU PROPOSING TO CONSOLIDATE ANY OF THE WATER  
22 RATES?**

1 A. No. The consolidated tariff contains separate rate sheets for each water  
2 district.

3

4 **Q. IS THERE A CHANGE TO HOW DEVELOPER DRIVEN**  
5 **INSTALLATIONS ARE FUNDED?**

6 A. Yes, in all districts the "refund" of developer contributions, which typically  
7 is based on a multiplier of average use for each new customer, is being  
8 eliminated. Also, the rule will no longer require ductile iron pipe be used.  
9 Instead, the type of pipe will be determined by MAWC's standard  
10 specifications (these allow C900 plastic pipe for example). In addition, the  
11 new rules will allow for the "developer lay" option. This allows the  
12 developer to use his own contractor to install the pipe subject to MAWC's  
13 specifications and inspection. These proposed rule changes allow more  
14 flexibility to developer installation and allows MAWC to focus the use of its  
15 capital on needed infrastructure investments to maintain the integrity of  
16 the existing system that among other purposes supports the new  
17 development. The specifications and details for developer installations will  
18 continue to be as required in a contract between the developer and  
19 MAWC.

20

21 **Q. ARE THERE OTHER CHANGES BEING PROPOSED IN THE**  
22 **CONSOLIDATED TARIFF?**

1 A. Yes. These consolidated operating rules were developed using the best  
2 of the old rules, applying best operating practices developed within and  
3 external to MAWC, and alignment with customer service, billing and  
4 collection practices. For example, wording has been changed to recognize  
5 on-line bill payment and a procedure for placing a customer with a history  
6 of returned payment charges on a "cash only" status. The private fire  
7 section was updated to address residential fire suppression systems after  
8 getting feedback on this issue from home builders and fire authorities. All  
9 fire services will continue to require execution of an application for special  
10 connection by the applicant and MAWC. Also, in St. Louis County a  
11 "service activation" charge has been added to match current practices in  
12 all of the other districts. This recognizes that there is a cost associated  
13 with getting a start read and turning on the water by our field service  
14 employees and, thus, proposes to recover that cost from the new  
15 subscriber.

16

17 **Q. ARE ALL OF THE CONSOLIDATED RULES APPLICABLE**  
18 **STATEWIDE?**

19 A. No. Primarily due to service line ownership requirements and meter  
20 locations inside of structures, there are several rules specific to St. Louis  
21 County. These are identified as such and are at the end of the rule  
22 package. Included in this is the existing variance for the timeline allowed  
23 between actual reads and the notice procedures as set in WC-77-180.

1

2

**V. VARIOUS ACTIVITY CHARGES**

3

**Q. ARE CUSTOMER RATES FOR OTHER ACTIVITIES BEING  
ADJUSTED?**

4

5

A. Yes, the fees for items like service activation, disconnection for non-pay, returned payment charges, etc. have been reviewed and adjusted as per schedule GAW-3.

6

7

8

9

**Q. ARE CUSTOMER FEES FOR VARIOUS ACTIVITIES CONSISTENT  
AND COST BASED?**

10

11

A. Yes. The actual costs associated with these activities were evaluated on a district by district basis. We found that these district specific costs were relatively similar so we are proposing to establish the same rates for these activities regardless of district.

12

13

14

15

16

**Q. DOES THAT CONCLUDE YOUR TESTIMONY?**

17

A. Yes.

District	Tank Name	Interior Total Cost	Exterior Total Cost
Brunswick	Filter #1	\$ 933	\$ 718
Brunswick	Filter #2	\$ 933	\$ 718
Brunswick	Filter #3	\$ 933	\$ 718
Brunswick	Filter #4	\$ 933	\$ 718
Brunswick	Elevated (Hill )	\$ 18,425	\$ 23,305
Jefferson City	Clear Well	\$ 150,552	\$ 42,457
Jefferson City	Ellis Rd.	\$ 173,993	\$ 48,802
Jefferson City	Plant Standpipe	\$ 50,765	\$ 33,527
Joplin	32nd St.	\$ 171,769	\$ 53,788
Joplin	4Th St. (Elevated)	\$ 93,500	\$ 111,760
Joplin	Aldrich Unit #1	\$ 84,942	\$ 18,109
Joplin	Aldrich Unit #2	\$ 84,942	\$ 18,109
Joplin	Aldrich Unit #3	\$ 84,942	\$ 18,109
Joplin	Aldrich Unit #4	\$ 84,942	\$ 18,109
Joplin	Mixing Unit #1	\$ 17,860	\$ 5,456
Joplin	Mixing Unit #2	\$ 17,860	\$ 5,456
Joplin	Mixing Unit #3	\$ 17,860	\$ 5,456
Joplin	Mixing Unit #4	\$ 17,860	\$ 5,456
Joplin	Cross Roads (Industrial Park)	\$ 101,750	\$ 166,100
Joplin	Eland (Newton County)	\$ 48,125	\$ 51,678
Joplin	Hill St.	\$ 93,638	\$ 37,980
Joplin	Rex (Elevated)	\$ 55,000	\$ 66,340
Joplin	Wash Water Tank	\$ 43,322	\$ 19,692
Mexico	East Tank (Elevated)	\$ 36,850	\$ 41,580
Mexico	Plant Tank (Elevated)	\$ 55,000	\$ 56,840
Mexico	West Tank (Elevated)	\$ 36,850	\$ 41,580
Parkville	Crooked Rd.	\$ 58,279	\$ 25,597
Parkville	Parkville College	\$ 94,671	\$ 33,137
Parkville	Platte Woods (Elevated)	\$ 41,800	\$ 202,217
Parkville	Riverside (Elevated)	\$ 31,350	\$ 55,939
St. Charles	Ehlmann Rd.	\$ 38,474	\$ 20,274
St. Charles	Harvester Rd. 1.5Mg	\$ 113,693	\$ 49,397
St. Charles	Harvester Rd. 3.5Mg	\$ 199,862	\$ 86,273
Warren County	Incline Village Elevated	\$ 36,850	\$ 44,196
St. Charles	Towers Rd.	\$ 138,391	\$ 57,609
St. Joseph	Agency	\$ 21,913	\$ 15,472
St. Joseph	Beltway (Elevated)	\$ 39,329	\$ 192,812
St. Joseph	Faucett (Elevated)	\$ 23,650	\$ 95,760
St. Joseph	Huntoon Rd. #1	\$ 208,155	\$ 66,779
St. Joseph	Huntoon Rd. #2	\$ 250,561	\$ 126,959
St. Joseph	Industrial Park (Elevated)	\$ 93,500	\$ 446,443
St. Joseph	Karnes Rd. (Elevated)	\$ 74,800	\$ 357,827
St. Joseph	King Hill #1 (North)	\$ 169,673	\$ 59,403
St. Joseph	King Hill #2 (South)	\$ 169,673	\$ 56,703
St. Joseph	Landis Rd.	\$ 20,202	\$ 41,754
St. Joseph	S 22Nd St. (Elevated)	\$ 55,000	\$ 234,612
St. Joseph	Union Rd.	\$ 15,904	\$ 33,067
St. Louis	Affton #2	\$ 90,252	\$ 36,078
St. Louis	Affton #3	\$ 250,561	\$ 83,139
St. Louis	Baxter	\$ 470,486	\$ 595,548
St. Louis	Carman	\$ 250,561	\$ 87,889
St. Louis	Cherry Hills	\$ 250,561	\$ 83,139
St. Louis	Clayton	\$ 211,074	\$ 63,985

District	Tank Name	Interior Total Cost	Exterior Total Cost
St. Louis	CP #1 Wash Water	\$ 36,850	\$ 36,830
St. Louis	CP #2 Wash Water	\$ 84,927	\$ 32,111
St. Louis	CP #3 Wash Water	\$ 131,992	\$ 41,001
St. Louis	Crestview (Elev)	\$ 49,500	\$ 57,675
St. Louis	Fee Fee	\$ 459,758	\$ 138,508
St. Louis	Ferguson (Elev)	\$ 39,329	\$ 49,835
St. Louis	Florissant	\$ 198,652	\$ 61,993
St. Louis	Foerster	\$ 250,561	\$ 87,889
St. Louis	Hawkins	\$ 171,907	\$ 59,959
St. Louis	Hazelwood #1	\$ 169,081	\$ 49,081
St. Louis	Hazelwood #2	\$ 251,952	\$ 87,850
St. Louis	Kehrs Mill #1 (Elev)	\$ 36,850	\$ 49,896
St. Louis	Kehrs Mill #2	\$ 123,270	\$ 40,030
St. Louis	Mehlville #2	\$ 107,943	\$ 52,692
St. Louis	Mehlville #3	\$ 139,178	\$ 68,585
St. Louis	MP Wash Water	\$ 91,061	\$ 137,938
St. Louis	NCP East Wash Water	\$ 52,983	\$ 73,518
St. Louis	NCP West Wash Water	\$ 47,212	\$ 24,186
St. Louis	Norwood	\$ 170,317	\$ 59,158
St. Louis	Oakville #1 (Elev)	\$ 28,050	\$ 40,152
St. Louis	Oakville #2	\$ 90,252	\$ 36,027
St. Louis	Old Halls Ferry	\$ 467,463	\$ 139,114
St. Louis	Rockwood (Elev)	\$ 23,650	\$ 95,760
St. Louis	Sappington #1	\$ 121,680	\$ 43,980
St. Louis	Sappington #2	\$ 121,680	\$ 39,230
St. Louis	SCP Wash Water	\$ 90,003	\$ 34,381
St. Louis	Stratmann #1	\$ 765,823	\$ 204,541
St. Louis	Stratmann #2	\$ 884,223	\$ 230,879
St. Louis	Sunset (Elev)	\$ -	\$ -
St. Louis	Tesson Ferry #1	\$ 241,895	\$ 72,686
St. Louis	Tesson Ferry #2	\$ 148,588	\$ 35,897
St. Louis	Valley Park	\$ 74,452	\$ 38,492
St. Louis	Walton	\$ 250,561	\$ 83,139
St. Louis	Wild Horse Creek	\$ -	\$ -
Warrensburg	North (Elevated)	\$ 41,250	\$ 64,619
Warrensburg	South (Elevated)	\$ 55,000	\$ 66,340
Warren County	WW Plant 1 Equalizer Tank	\$ 6,259	\$ 1,415
Warren County	WW Plant 2 Equalizer Tank	\$ 8,707	\$ 1,078
Warren County	WW Plant 1 Pkg Plant	\$ 12,639	\$ 1,834
Warren County	WW Plant 2 Pkg Plant	\$ 12,639	\$ 1,834
Warren County	Plant 1 Treatment Unit	\$ 6,687	\$ -
Warren County	Plant 2 Treatment Unit	\$ 6,687	\$ -
Parkville	Thousand Oak	\$ -	\$ 44,375
St. Louis	Paradise Valley	\$ 22,825	\$ 23,600
AVERAGE		\$ 114,000	\$ 68,584



FORM NO. 13

P.S.C MO NO. 9

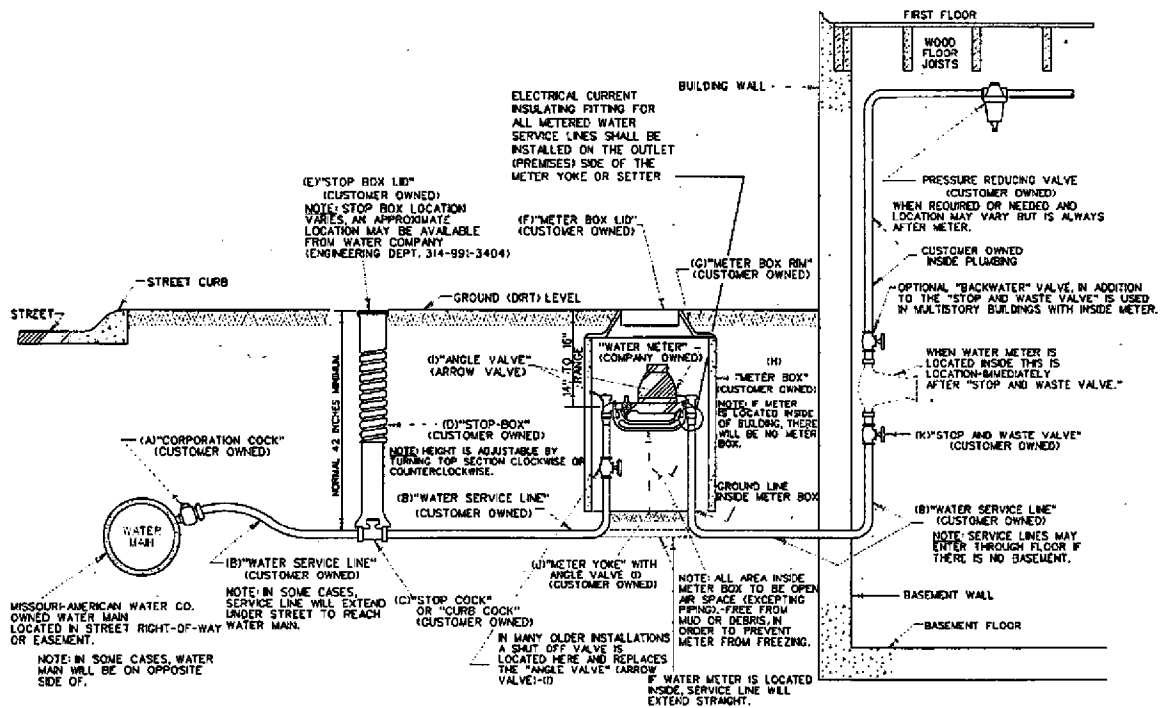
Original Appendix Sheet No. 1

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (St. Louis Operations only)  
Community, Town or City

**TYPICAL CROSS-SECTION – DOMESTIC WATER SERVICE LINE  
(RESIDENTIAL OR COMMERCIAL PREMISES)**



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ISSUED BY: Frank Kartmann, President  
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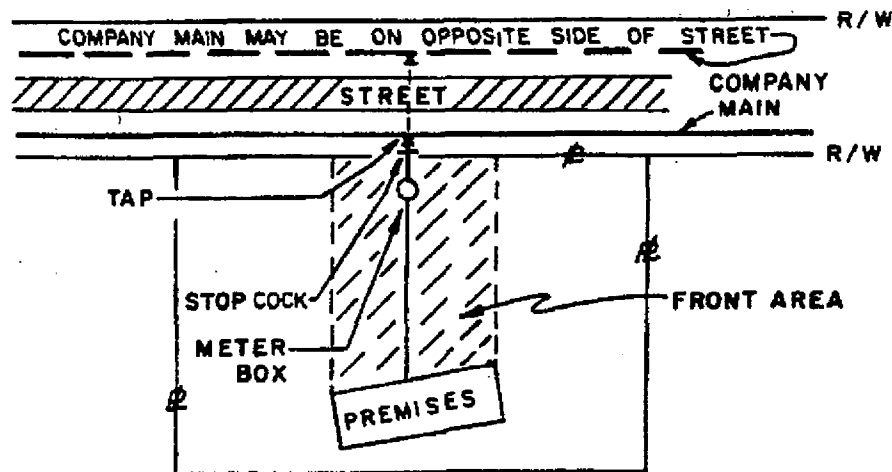
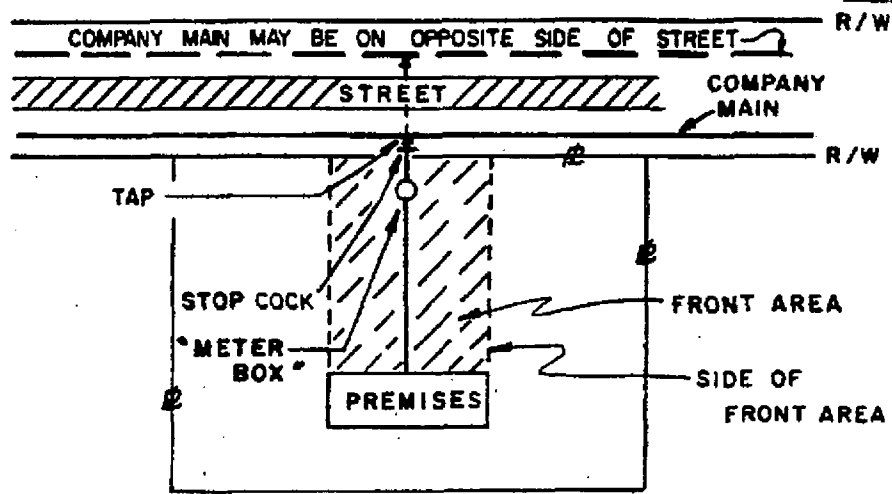
Original Appendix Sheet No. 2

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area  
Community, Town or City

INSTALLATION REQUIREMENT FOR WATER SERVICE LINE - COMPANY MAIN  
PARALLEL TO STREET - PARALLEL TO FACE OF PREMISES



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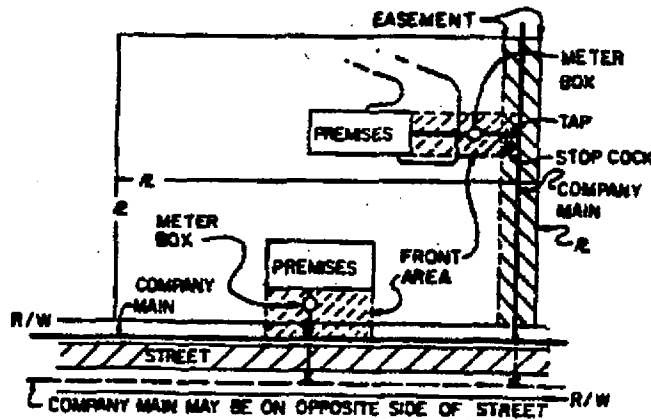
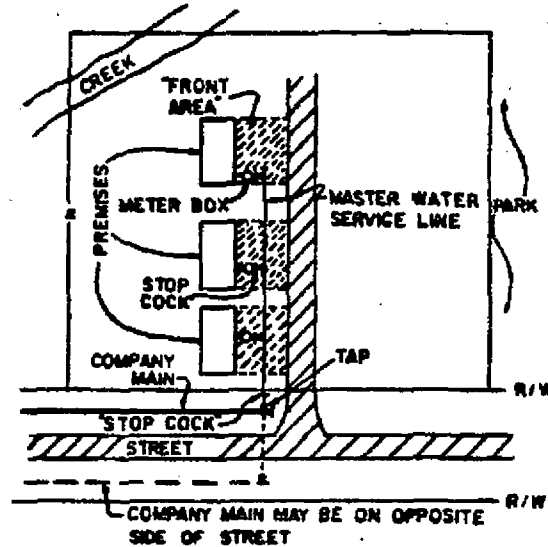
Original Appendix Sheet No. 3

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area  
Community, Town or City

INSTALLATION REQUIREMENT FOR WATER SERVICE LINE - COMPANY MAIN  
PARALLEL TO STREET - PARALLEL TO FACE OF PREMISES



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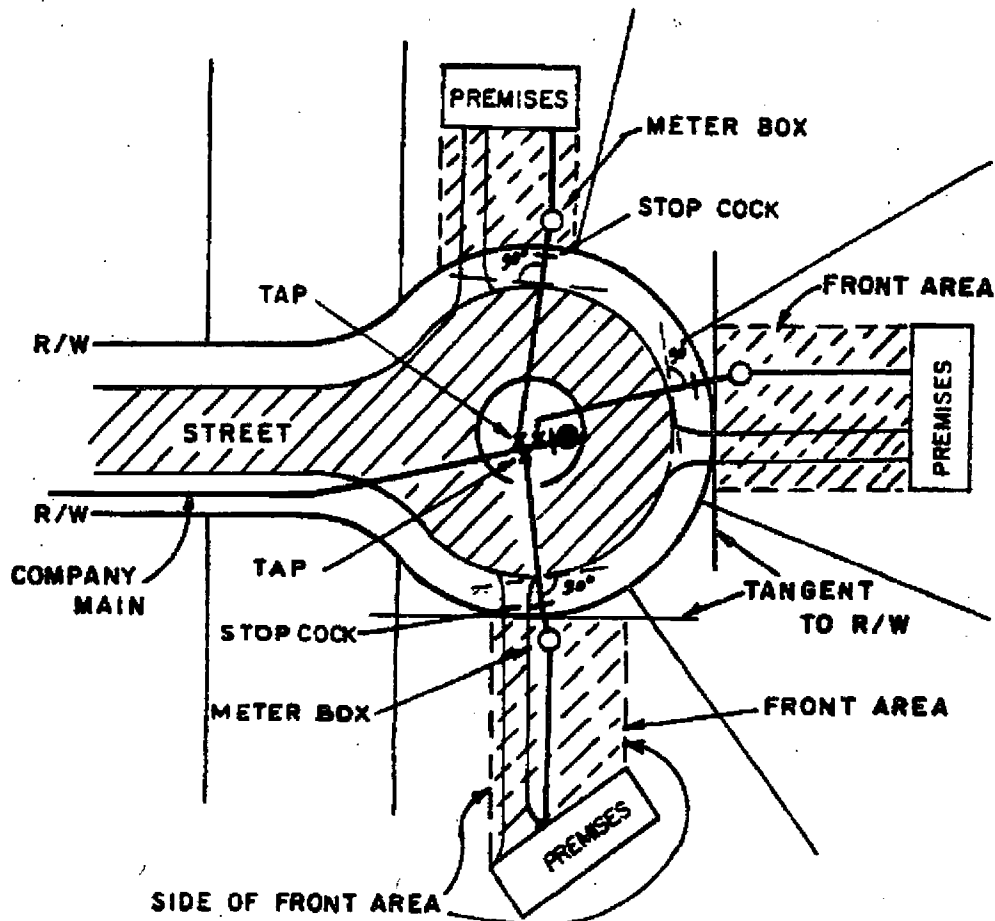
Original Appendix Sheet No. 4

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area  
Community, Town or City

**INSTALLATION REQUIREMENTS FOR WATER SERVICE LINE – COMPANY MAIN NOT PARALLEL TO FACE OF PREMISES**



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727 Craig Road, St. Louis, MO 63141

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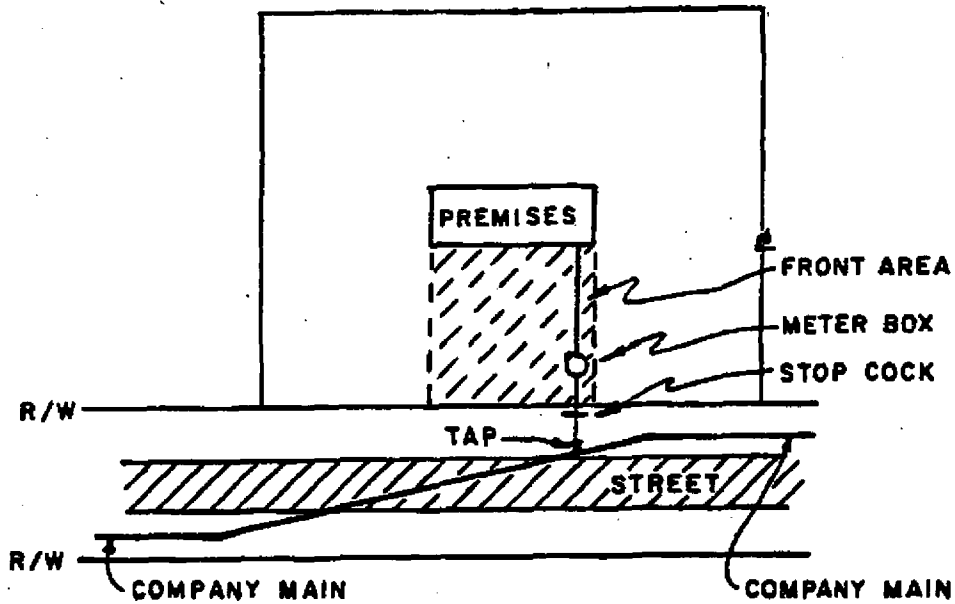
Original Appendix Sheet No. 5

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area  
Community, Town or City

**INSTALLATION REQUIREMENTS FOR WATER SERVICE LINE - COMPANY MAIN NOT  
PARALLEL TO STREET - NOT PARALLEL TO FACE OF PREMISES**



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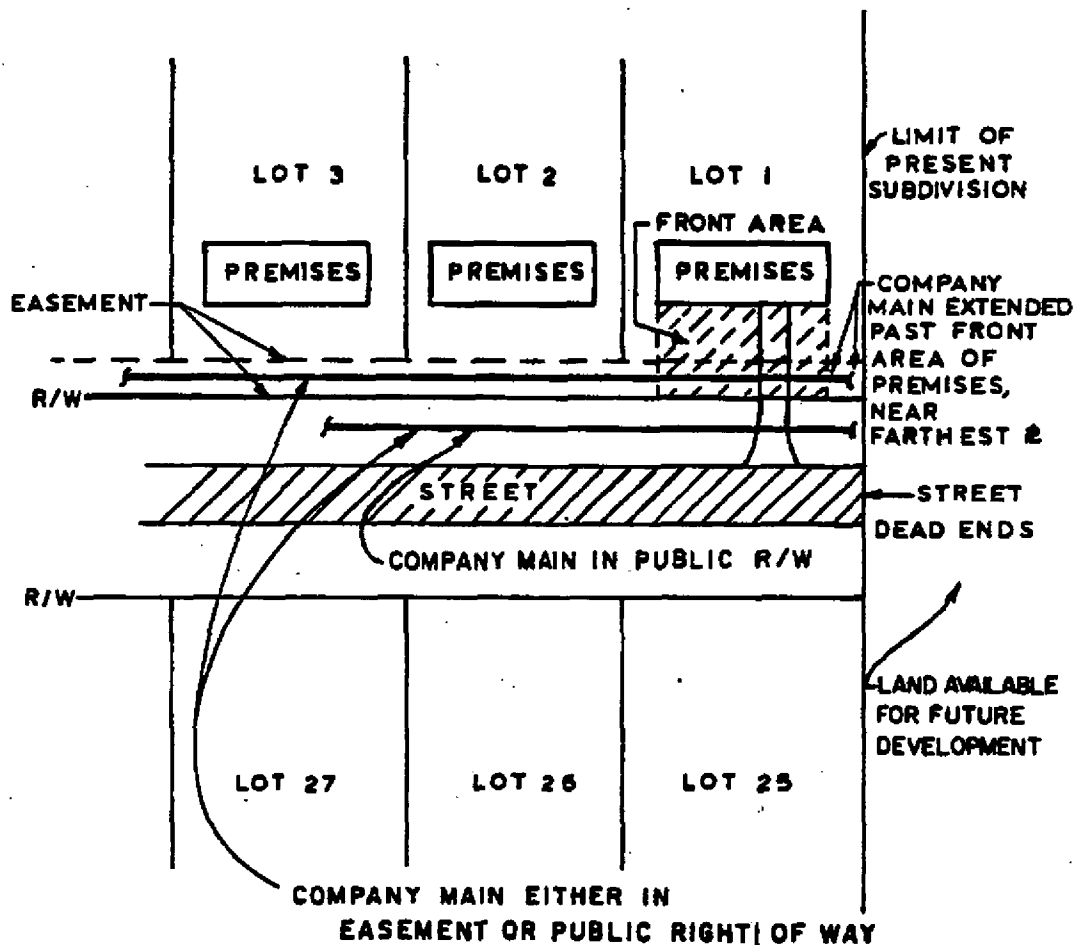
Original Appendix Sheet No. 6

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area  
Community, Town or City

**MAIN EXTENSION TERMINATION  
NEW STREETS (EASEMENTS) – MULTI-LOT RESIDENTIAL SUBDIVISION – LAST LOT**



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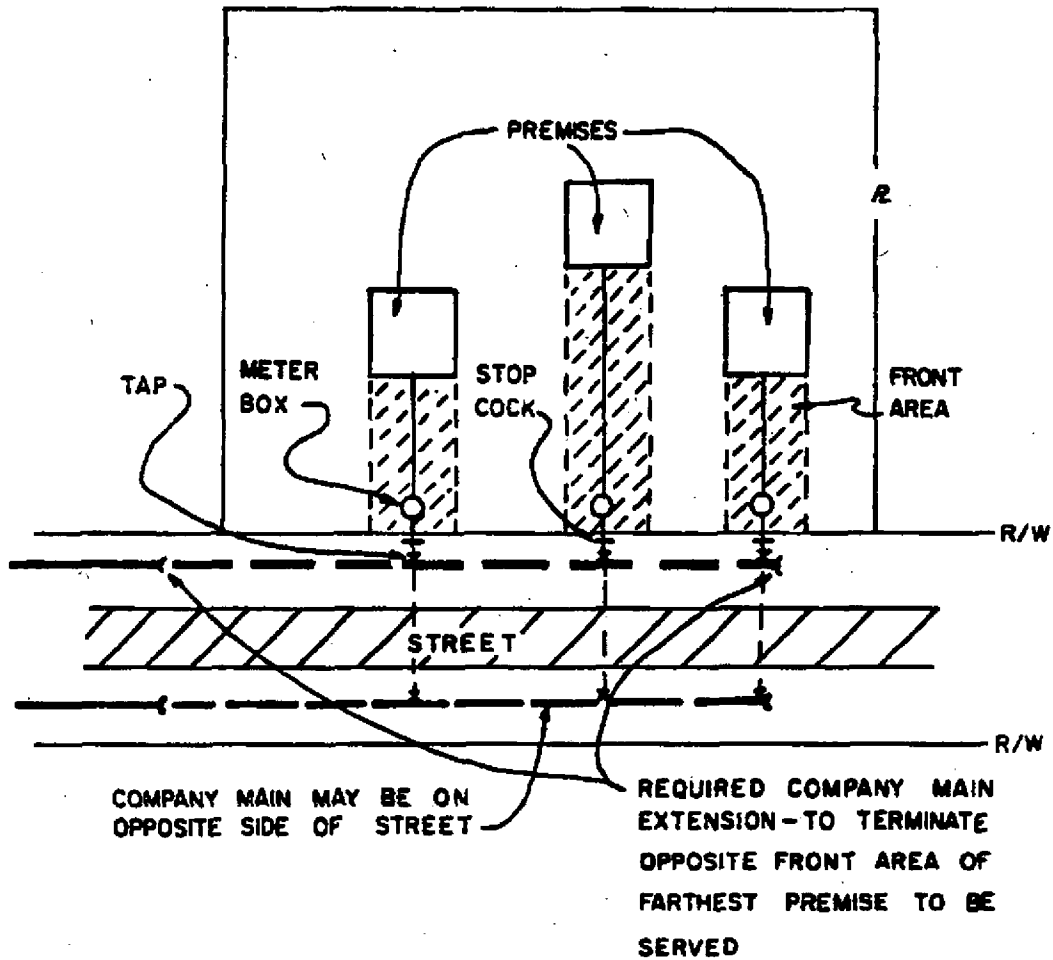
Original Appendix Sheet No. 7

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area  
Community, Town or City

**MAIN EXTENSION TERMINATION  
EXISTING STREET (EASEMENT) - WATER SERVICE LINE TO INDIVIDUAL PREMISES**



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FORM NO. 13

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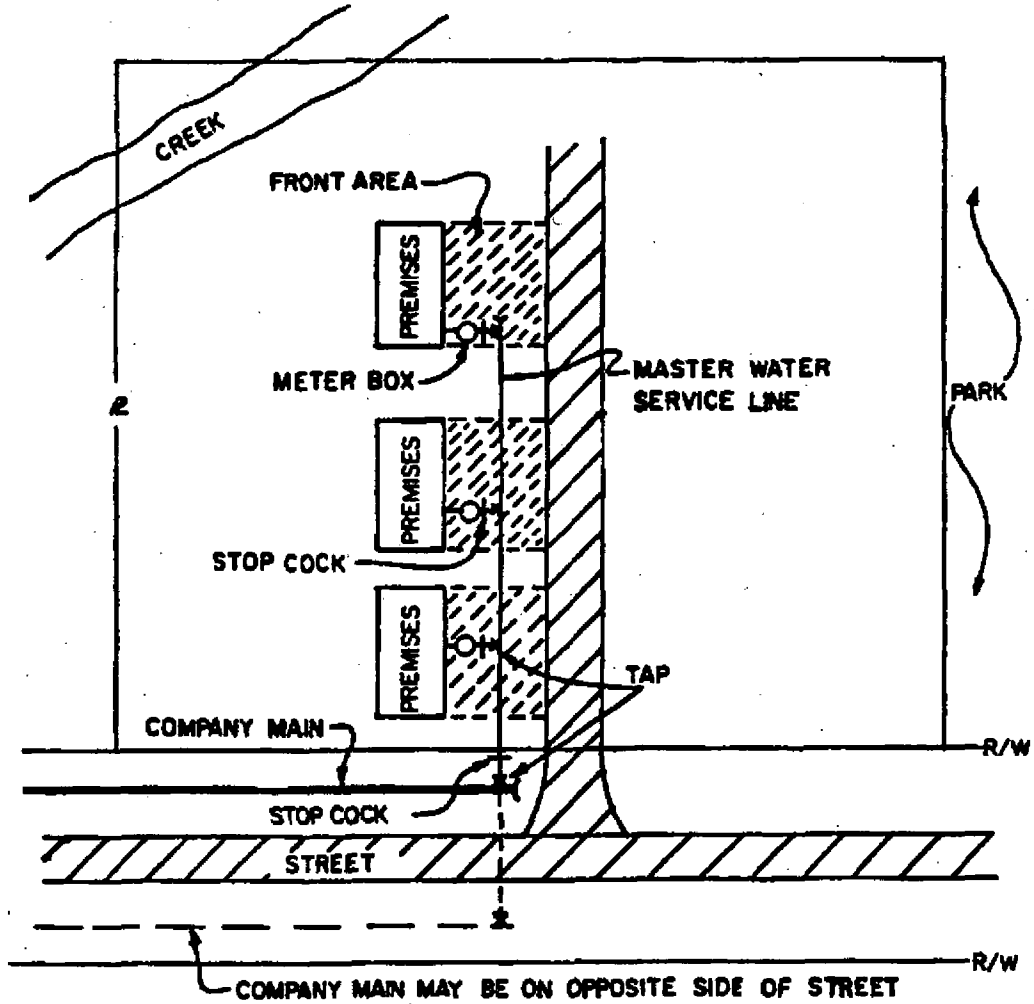
Original Appendix Sheet No. 8

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area  
Community, Town or City

**INSTALLATION REQUIREMENT - MASTER WATER SERVICE LINE**



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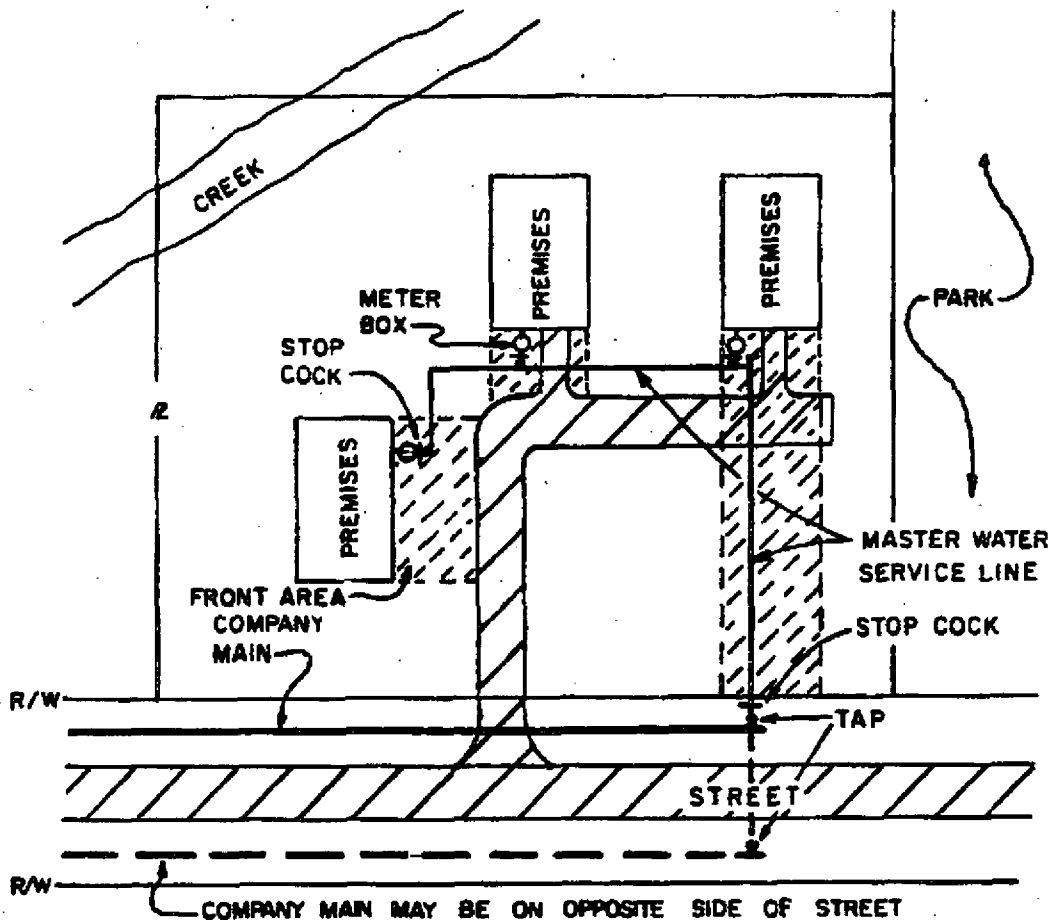
Original Appendix Sheet No. 9

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area  
Community, Town or City

**INSTALLATION REQUIREMENT - MASTER WATER SERVICE LINE**



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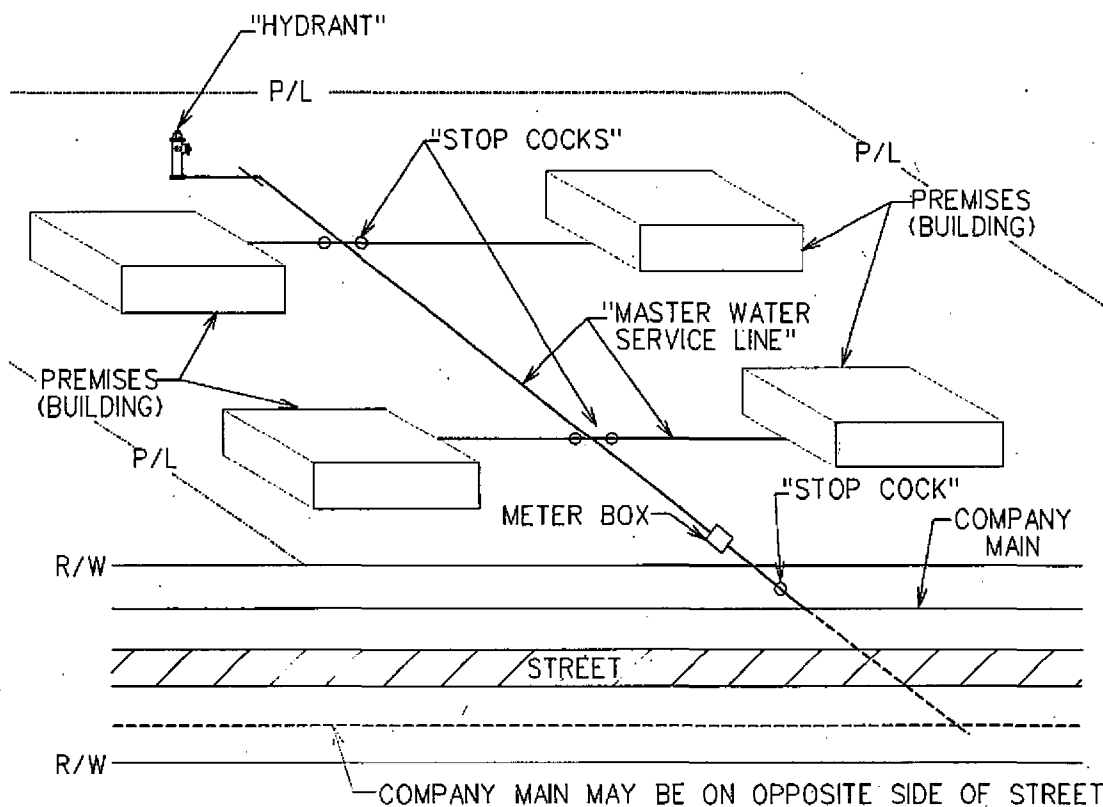
Original Appendix Sheet No. 10

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area  
Community, Town or City

**INSTALLATION REQUIREMENTS – MASTER WATER SERVICE LINE  
COMMERCIAL OR MUTLI-FAMILY RESIDENTIAL – SINGLE OR MUTLI-STORY BUILDINGS  
SERVED BY A METER(S)**



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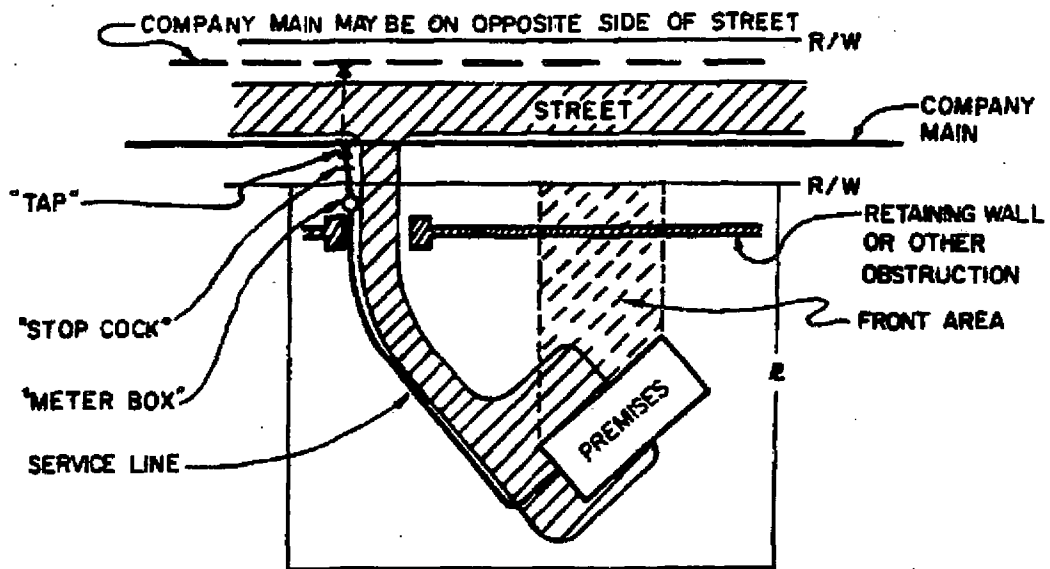
Original Appendix Sheet No. 11

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area  
Community, Town or City

**ALTERNATE INSTALLATION REQUIREMENTS – DOMESTIC WATER SERVICE LINE –  
RESIDENTIAL SINGLE-FAMILY DWELLING**



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FORM.NO. 13

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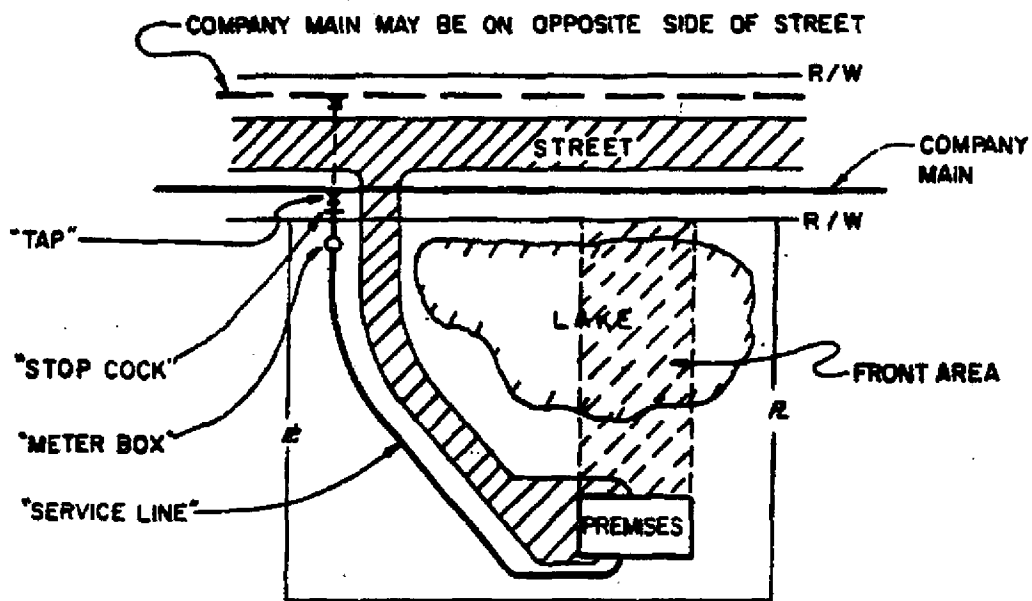
Original Appendix Sheet No. 12

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area  
Community, Town or City

ALTERNATE INSTALLATION REQUIREMENTS – DOMESTIC WATER SERVICE LINE –  
RESIDENTIAL SINGLE-FAMILY DWELLING



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FORM NO. 13

P.S.C MO NO. 9

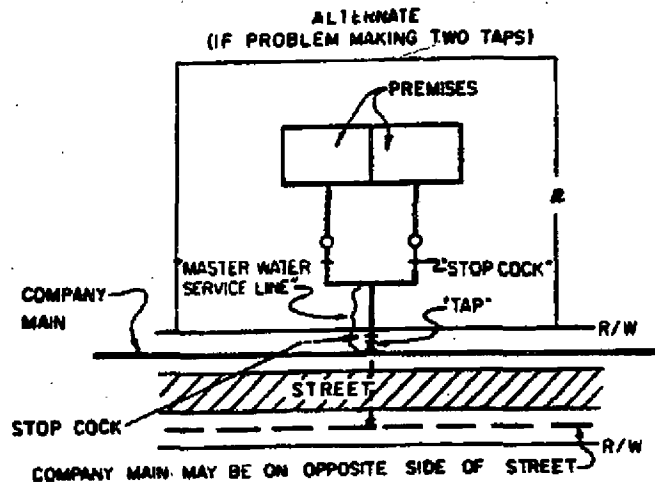
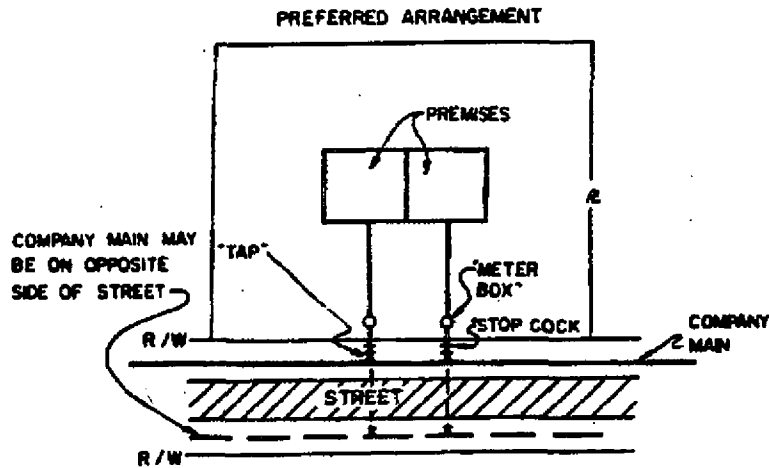
Original Appendix Sheet No. 13

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area  
Community, Town or City

**INSTALLATION REQUIREMENTS – DOMESTIC WATER SERVICE LINE  
RESIDENTIAL - DUPLEX – HALVES OWNED OR RENTED**



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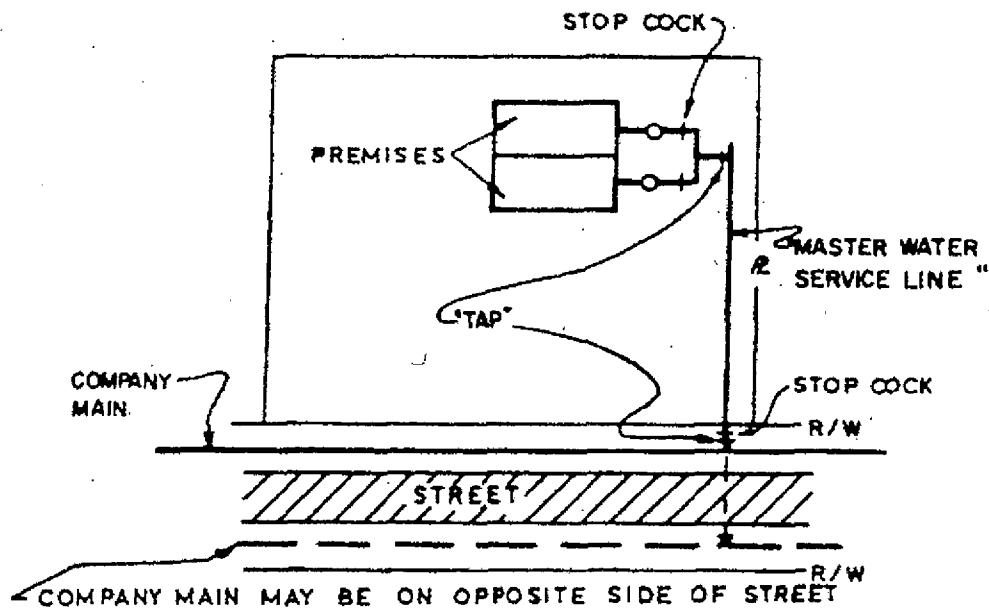
Original Appendix Sheet No. 14

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area  
Community, Town or City

**INSTALLATION REQUIREMENTS - DOMESTIC WATER SERVICE LINE  
RESIDENTIAL DUPLEX - HALVES OWNED OR RENTED**



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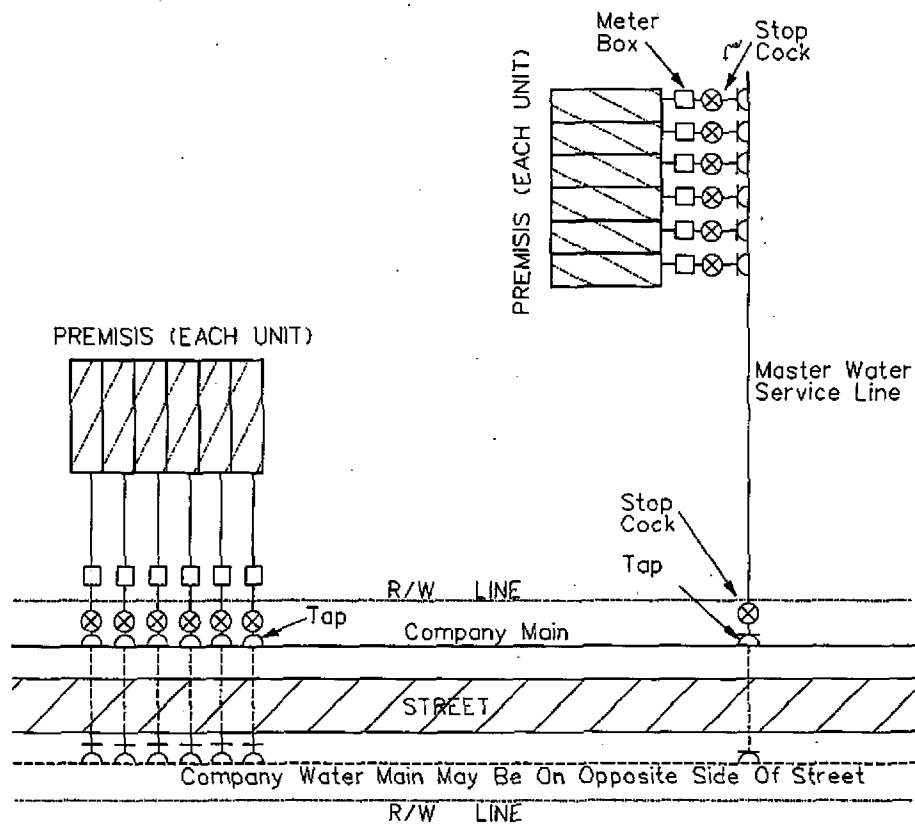
Original Appendix Sheet No. 15

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area  
Community, Town or City

**INSTALLATION REQUIREMENTS - DOMESTIC WATER SERVICE LINE - RESIDENTIAL  
MULTI-FAMILY; MULTI-LEVEL BUILDINGS; LIVING QUARTER SEPARATELY OWNED**



NOTE: If responsibility for payment of water service rests with a single entity, such as a condominium association, then water service to each building could be through one meter.

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Original Appendix Sheet No. 16

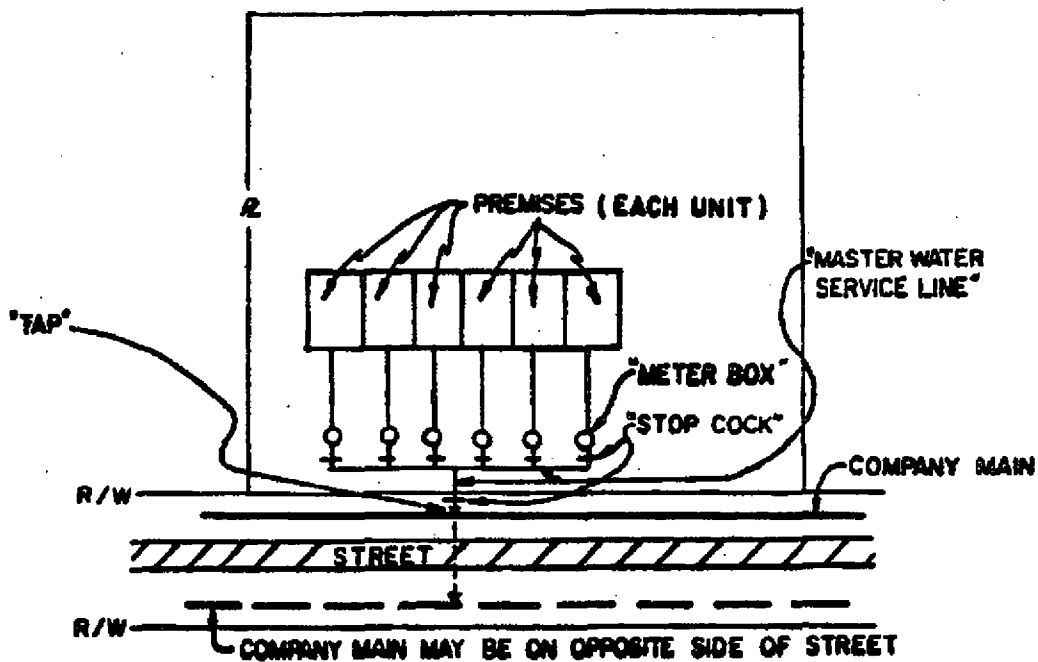
Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area  
Community, Town or City

**INSTALLATION REQUIREMENTS – DOMESTIC WATER SERVICE LINE – RESIDENTIAL  
MULTI-FAMILY; MULTI-LEVEL BUILDINGS – LIVING QUARTERS SEPARATELY OWNED**

**ALTERNATE ARRANGEMENT  
(IF PROBLEM MAKING MULTIPLE TAPS)**



**Note:** If responsibility for payment of water service rests with a single entity, such as a condominium association, then water service to each building could be through one meter.

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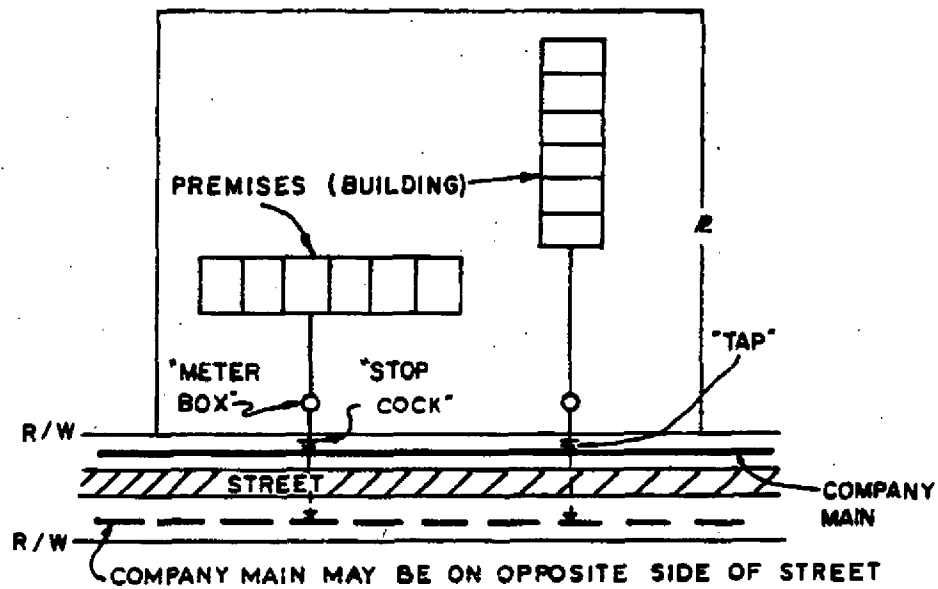
Original Appendix Sheet No. 17

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area  
Community, Town or City

**INSTALLATION REQUIREMENTS – DOMESTIC WATER SERVICE LINE – RESIDENTIAL  
MULTI-FAMILY; MULTI-LEVEL BUILDINGS – LIVING QUARTERS RENTED**



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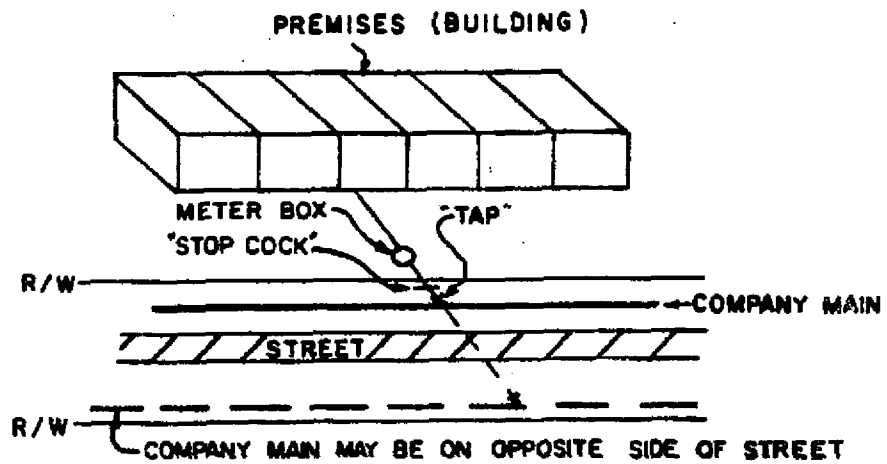
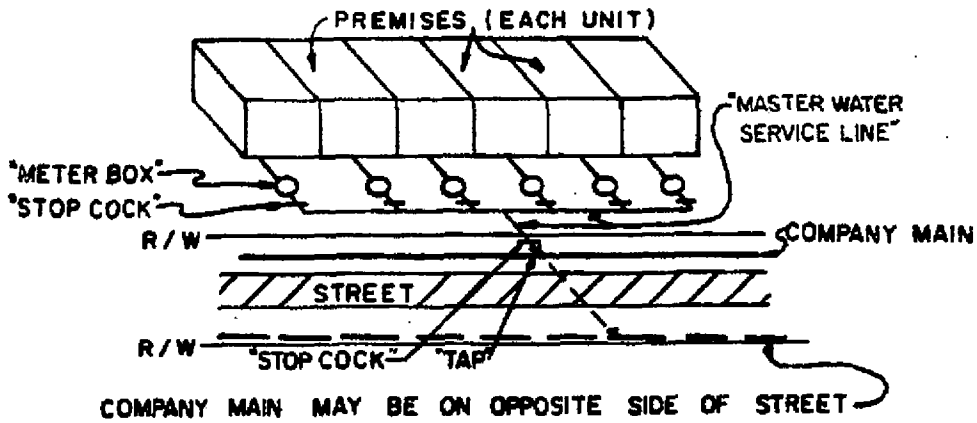
Original Appendix Sheet No. 18

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area  
Community, Town or City

**INSTALLATION REQUIREMENTS -- DOMESTIC WATER SERVICE LINE  
COMMERCIAL -- SINGLE STORY**



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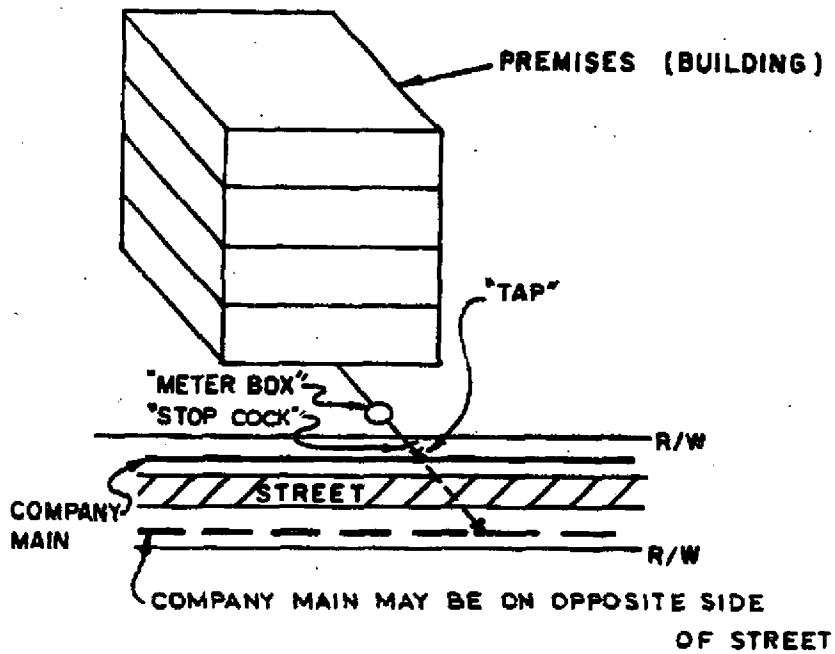
Original Appendix Sheet No. 19

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area  
Community, Town or City

**INSTALLATION REQUIREMENTS - DOMESTIC WATER SERVICE  
COMMERCIAL - MULTI-STORY BUILDING**



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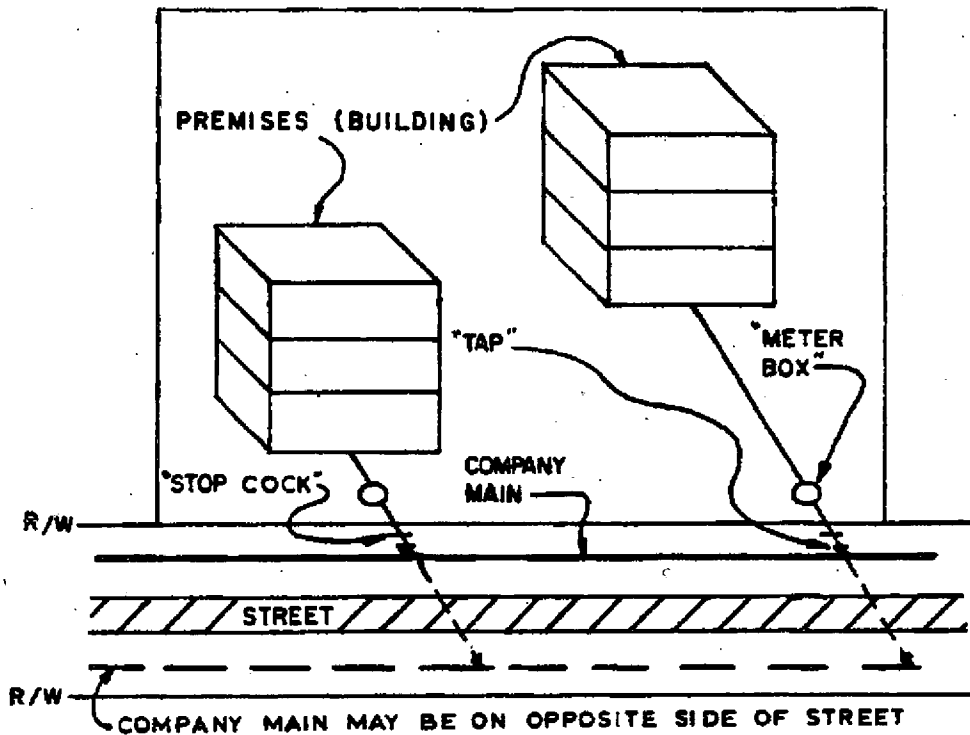
Original Appendix Sheet No. 20

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area  
Community, Town or City

**INSTALLATION REQUIREMENTS - DOMESTIC WATER SERVICE  
COMMERCIAL - MULTI-STORY BUILDING**



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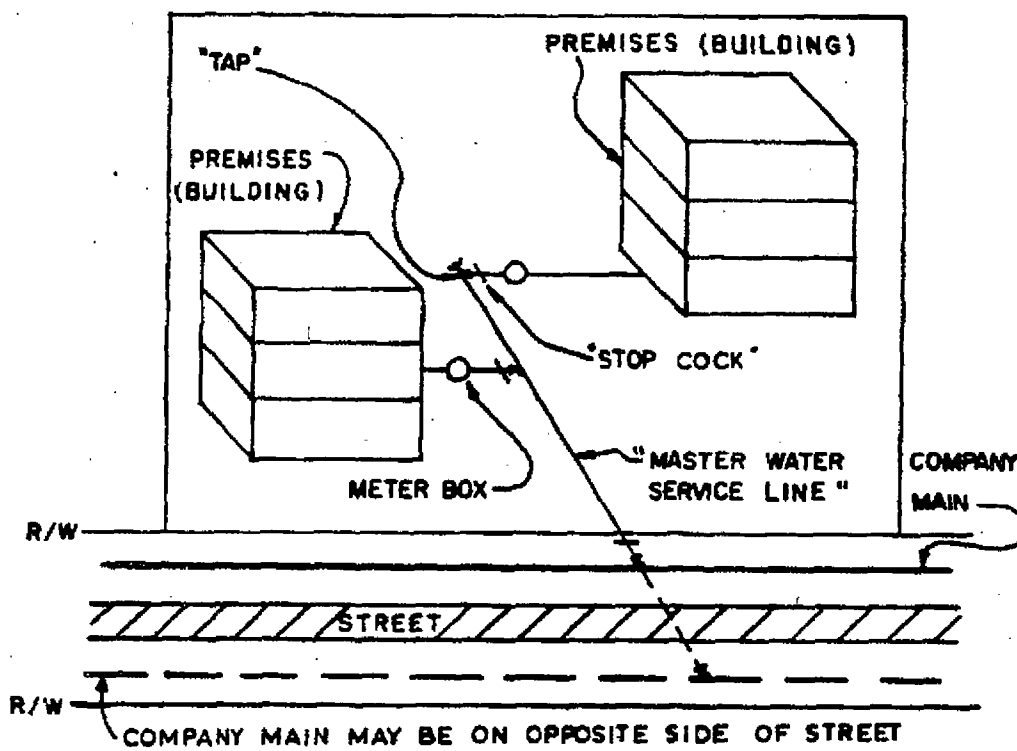
Original Appendix Sheet No. 21

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area  
Community, Town or City

**INSTALLATION REQUIREMENTS – DOMESTIC WATER SERVICE LINE  
COMMERCIAL – MULTI-STORY BUILDING**



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FORM NO. 13

P.S.C MO NO. 9

Original Appendix Sheet No. 22

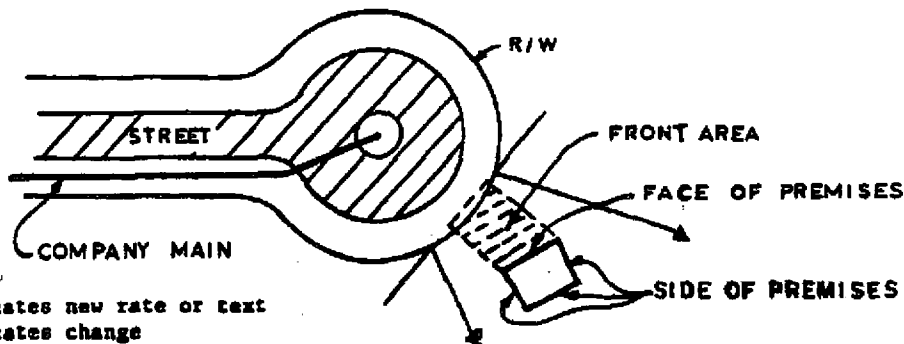
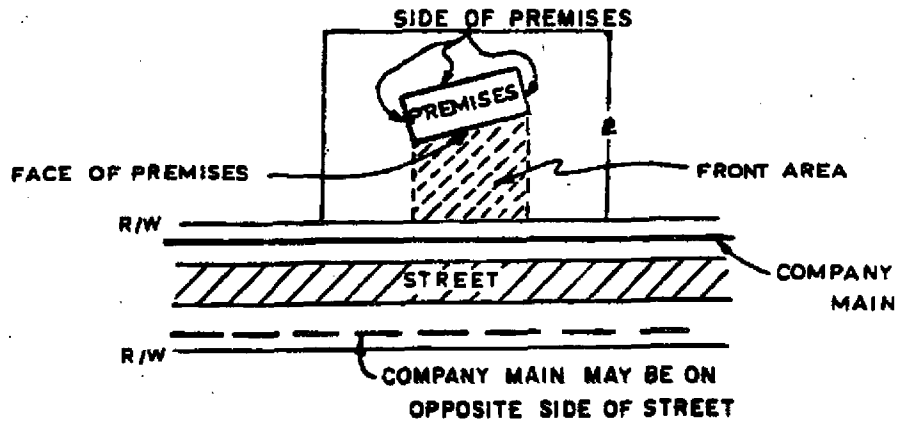
Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area  
Community, Town or City

**FACE OF A PREMISES**

The "Face of a Premises" is the side of the premises nearest parallel to an existing Company main, or an extension thereof. In the case of a cul-de-sac (except as shown on Sheet 23), the "Face of a Premises" is the side of the premises nearest parallel to the straight line connecting the two front property corners of the property (nearest the street) upon which the premises is located.



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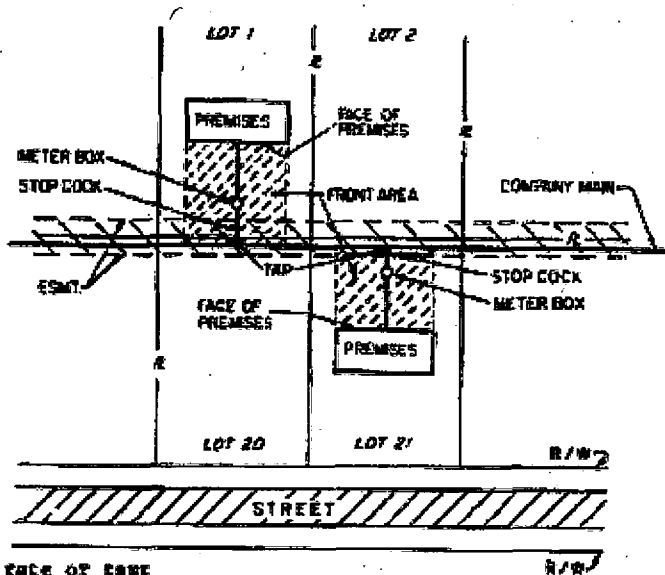
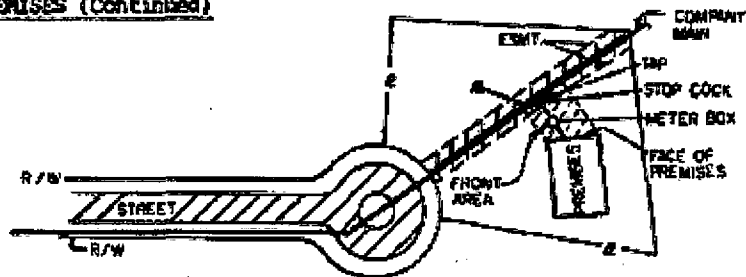
Original Appendix Sheet No. 23

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area  
Community, Town or City

FACE OF A PREMISES (Continued)



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FORM NO. 13

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Original Appendix Sheet No. 24

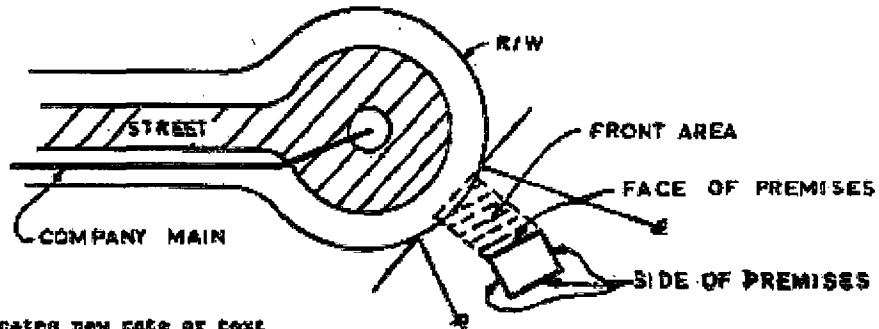
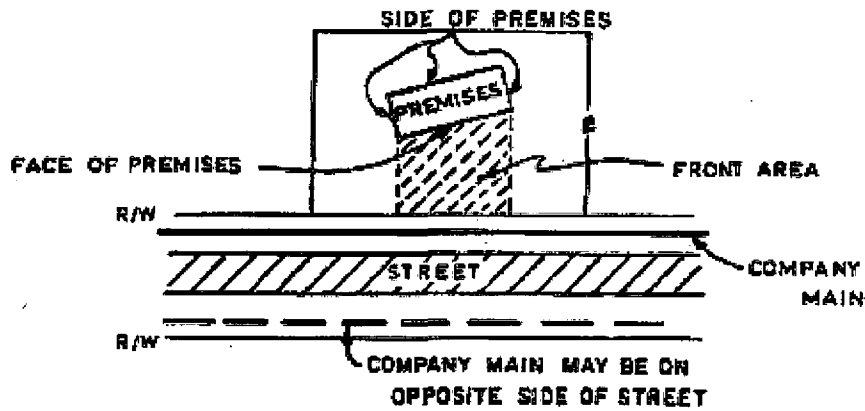
Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area  
Community, Town or City

**SIDE OF A PREMISES**

The "Side of a Premises" is any side of a premises other than the "Face" of the same premises. (See sketch below.)



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ISSUED BY: Frank Kartmann, President  
727 Craig Road, St. Louis, MO 63141



FORM NO. 13

P.S.C MO NO. 9

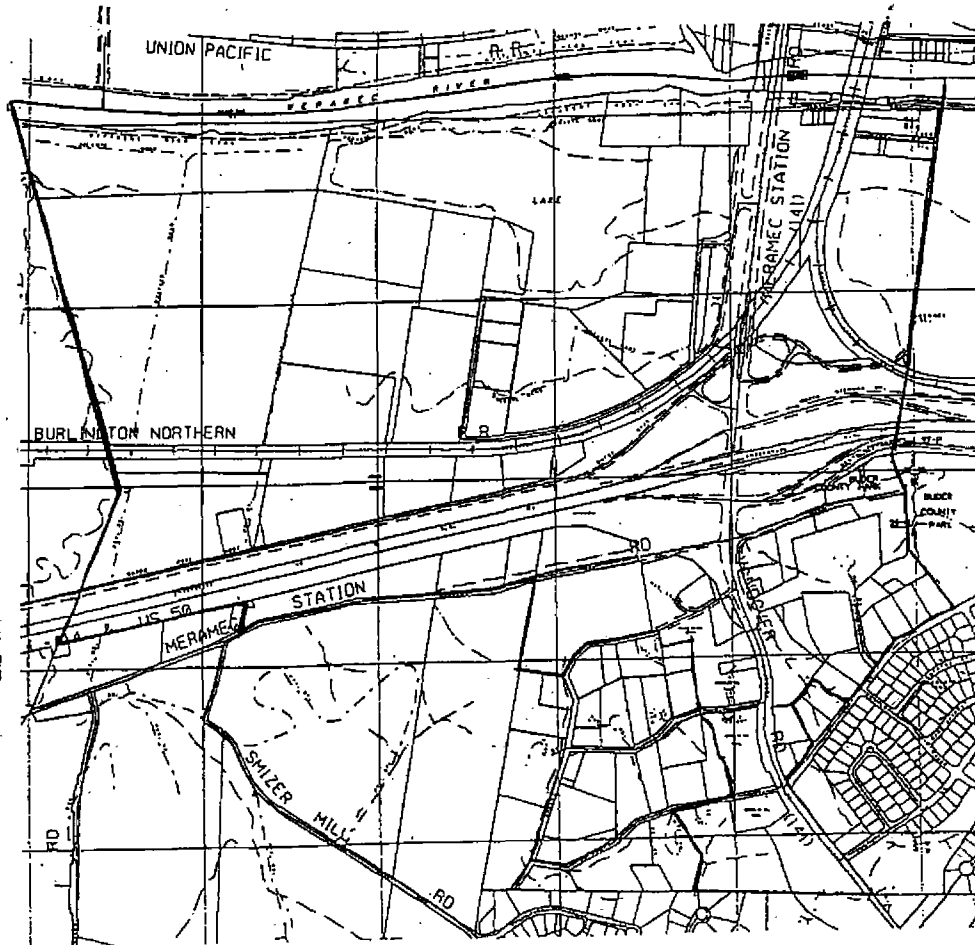
Original Certificated Area Sheet No. 1

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (St. Louis County  
and Jefferson County)  
Community, Town or City

**CERTIFICATED AREAS ACQUIRED AFTER 1/1/95**  
**City of Peerless Park, St. Louis County (Map)**



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727 Craig Road, St. Louis, MO 63141

FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 2

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (St. Louis County  
and Jefferson County)  
Community, Town or City

**CERTIFICATED AREAS ACQUIRED AFTER 1/1/95**  
**Legal Description - City of Peerless Park, St. Louis County**

Property in T44N, R4E and R5E, in St. Louis County, Missouri, and consisting of the established boundaries of the City of Peerless Park as of October 10, 1994 as shown on the attached map and being more particularly described as follows:

Beginning at the intersection of the west line of lot 3 of ALLENS VALLEY PARK SUBDIVISION with the centerline of the Meramec River,

Thence southerly along said west line to the right-of-way of Valley Park Road and the eastern most corner of lot 1 of WARD ACRES SUBDIVISION,

Thence southwesterly along said right-of-way to the southern most corner of lot 6 of said subdivision,

Thence northwesterly along the southwesterly line of said lot to the northern most corner of lot 7 of said subdivision,

Thence southwesterly along the northwesterly lines of said lot 7 and lot 8 of said subdivision to the western most corner of said lot 8,

Thence southerly along the westerly line of said lot to the right -of-way line of Valley Park Road and the southern most corner of said lot,

Thence southwesterly along said right-of-way to the easterly right-of-way line of State Highway 141,

Thence southeasterly along said right- of- way line of State Highway 141 to the south line of US Survey 1983,

Thence westerly along said US Survey line to the southeastern most corner of lot 26 of VALLEY PARK HILLS,

Thence N14-30E a distance of 247.89 feet and N31-00W a distance of 403.59 feet along the easterly lines of said lot to the centerline of Elizabeth Avenue,

Thence easterly along said centerline a distance of 450 feet, more or less,

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727 Craig Road, St. Louis, MO 63141

FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 3

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (St. Louis County  
and Jefferson County)  
Community, Town or City

**CERTIFICATED AREAS ACQUIRED AFTER 1/1/95**  
**Legal Description - City of Peerless Park, St. Louis County (continued)**

Thence northerly through lot 18 of VALLEY PARK HILLS, a distance of 299.62 feet to the northerly line of said lot,

Thence westerly, along said northerly line a distance of 38.51 feet,

Thence northerly distances of 50.53 feet, 202.7 feet and 70.74 feet through lot 17 of said subdivision to the centerline of Lucie Avenue,

Thence easterly along said centerline a distance of 69.04 feet,

Thence northerly along the easterly lines of lots 9 and 15 of said subdivision a distance of 532.64 feet,

Thence westerly, through said lot 9 a distance of 386.6 feet to the west line of said lot,

Thence northerly along said line a distance of 122.08 feet to the centerline of Valley Avenue,

Thence westerly and southwesterly along said centerline distances of 44.88 feet, 264 feet, 198 feet, 115.5 feet and 162.03 feet to the southern most corner of lot 4 of said subdivision,

Thence westerly along the southerly line of said lot a distance of 316.8 feet, to the west line of US Survey 1983 and said subdivision,

Thence northerly along said US Survey line a distance of 627 feet to the centerline of Meramec Station Road,

Thence westerly along said centerline a distance of 2370 feet, more or less, to the prolongation of the westerly line of property owned by DRURY DISPLAYS, INC. as recorded in Book 8506, Page 1950 of the St. Louis County Records,

Thence northerly along said line to the right-of-way line of Interstate Highway 44,

Thence westerly along said right-of-way line a distance of 1404.71 feet to Williams Creek,

Thence N23-38-30E across said highway and continuing along the westerly line of property owned by PEERLESS PARK GROUP as recorded in Book 7716, Page 67 of the St. Louis County Records distances of 417.88 feet and 786.27 feet, to a point,

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727 Craig Road, St. Louis, MO 63141

FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 4

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (St. Louis County  
and Jefferson County)  
Community, Town or City

**CERTIFICATED AREAS ACQUIRED AFTER 1/1/95**  
**Legal Description - City of Peerless Park, St. Louis County (continued)**

Thence N16-06-30W along said westerly line, crossing the railroad right-of-way and continuing along the westerly line of property owned by FIRST NATIONAL REALTY as recorded in Book 7597, Page 136 of the St. Louis County Records distances of 193.32 feet, 104.37 feet, 2293.02 feet and 130 feet, more or less, to the centerline of the Meramec River,

Thence along the centerline of the Meramec River to the place of beginning, and containing 550 acres, more or less.

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ISSUED BY: Frank Kartmann, President  
727 Craig Road, St. Louis, MO 63141

FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 5

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (St. Louis County  
and Jefferson County)  
Community, Town or City

**Line Certificate to Provide Wholesale Water Service**  
**As Granted in Case No. WA-2001-473**

Phase I - Beginning at a point in the centerline of the Meramec River, said line being the boundary of St. Louis County and Jefferson County, approximately 440 ft. west of the traveled centerline of Missouri Interstate 55 (I-55), thence heading in a southwesterly direction across Lonedell Rd approximately 420 ft. west of the centerline of the I-55 right-of-way, thence heading easterly approximately 140 ft to a point of intersection with the western right-of-way of I-55, thence heading southwestwardly and westwardly along the western right-of-way line of the West Outer Road of I-55 to a point of crossing of Missouri State Route 141, approximately 450 ft. east of the centerline of Church Ave, thence heading southwesterly along the north right-of-way line of Big Bill Blvd. (formerly Old 141) and along the southern subdivision line of Gebhardts Subdivision, Velda Terrace, Maxville Heights Subdivision, Grimm Acres, and Walnut Hill to the western subdivision line of Twin Fawn Meadows Subdivision, thence following said western line until intersecting the northern right-of-way line of Old Lemay Ferry Rd, thence heading in a southwesterly direction along the northern right-of-way line of Old Lemay Ferry Rd. to a point of ending approximately 500 ft. west of the centerline of Miller County Rd.

Phase II - Beginning at a point on the northern right-of-way line of Old Lemay Ferry Rd. and the intersection of the western right-of-way line of Richardson Rd, thence southeastwardly along said western right-of-way line of Richardson Rd. to a point of intersection of the northern right-of-way line of Vogel Rd, thence heading westwardly along the northern right-of-way line of Vogel Rd. to a point of intersection of the western right-of-way line of the West Outer Rd. of I-55, thence heading southwardly along the western right-of-way line of the West Outer Rd. of I-55 until the end of West Outer Rd. approximately 700 ft. south of the centerline of Morgan Dr, thence heading westwardly and southwardly to the east property line of Huntleigh Woods Subdivision, thence heading southwardly to a point of intersection with the northwest right-of-way line of I-55 (at Huntleigh Woods), thence extending in a general southwardly direction along the western right-of-way line of I-55 to the intersection of the southern right-of-way line of Haven Hill Rd., thence westwardly and northwardly along the southern/western right-of-way line of Haven Hill Rd. to the intersection of Union Rd., thence westwardly along the southern right-of-way line of Union Rd. to the intersection of the eastern right-of-way line of Dry Creek Rd., thence southwardly along the eastern right-of-way line of Dry Creek Rd. to a point of ending at the intersection of the northern right-of-way line of Old Highway M.

Both phases' route descriptions are approximate and final design will more thoroughly define the location of the Phase I and II routes. It is estimated that the description of these routes may change to within 1000 ft. of either side of the lines as described.

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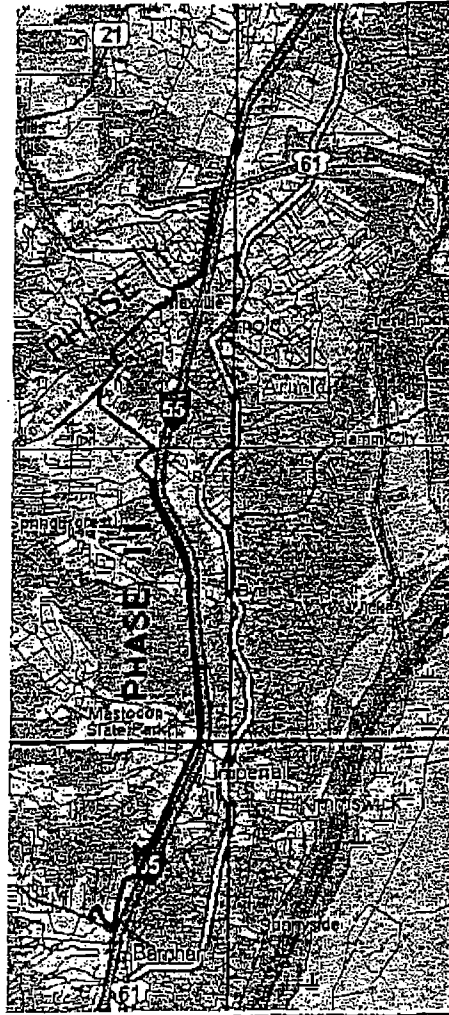
Original Certificated Area Sheet No. 6

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (St. Louis County  
and Jefferson County)  
Community, Town or City

**Line Certificate to Provide Wholesale Water Service**  
**As Granted in Case No. WA-2001-473 (Map)**



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DATE OF ISSUE: October 30, 2009

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727 Craig Road, St. Louis, MO 63141

FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 7

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (St. Louis County  
and Jefferson County)  
Community, Town or City

**Certificate of Convenience and Necessity**  
**As Granted in Case No. WA-2008-0125 – Legal Description**

A TRACT OF LAND BEING PART OF "LOCHMOOR", A SUBDIVISION RECORDED IN PLAT BOOK 71 PAGE 6 AND 7 OF THE JEFFERSON COUNTY RECORDERS OFFICE, IN SECTION 1, TOWNSHIP 43 NORTH, RANGE 4 EAST IN JEFFERSON COUNTY, MISSOURI AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEAST CORNER OF SAID SECTION 1, TOWNSHIP 43 NORTH, RANGE 4 EAST IN JEFFERSON COUNTY, MISSOURI; THENCE SOUTH 00 DEGREES 02 MINUTES 16 SECONDS WEST ALONG THE EASTERN LINE OF SAID SECTION 1, A DISTANCE OF 1394.34 FEET TO THE SOUTHEAST CORNER OF SAID "LOCHMOOR" SUBDIVISION; THENCE DEPARTING SAID SECTION LINE NORTH 88 DEGREES 57 MINUTES 36 SECONDS WEST ALONG THE SOUTHERN LINE OF SAID "LOCHMOOR" SUBDIVISION A DISTANCE OF 2734.37 FEET TO AN ANGLE POINT ON SAID SOUTHERN LINE OF SUBDIVISION; THENCE CONTINUING ALONG SAID SOUTHERN LINE SOUTH 88 DEGREES 40 MINUTES 22 SECONDS WEST A DISTANCE OF 2762.00 FEET TO THE SOUTHWEST CORNER OF SAID "LOCHMOOR" SUBDIVISION, SAID POINT BEING SITUATED ON THE WESTERN LINE OF SAID SECTION 1; THENCE NORTH 00 DEGREES 14 MINUTES 06 SECONDS EAST ALONG THE WESTERN LINE OF SAID SECTION 1, ALSO BEING THE WESTERN LINE OF SAID "LOCHMOOR" SUBDIVISION A DISTANCE OF 1414.09 FEET TO THE NORTHWEST CORNER OF SAID SECTION 1, SAID POINT BEING SITUATED ON THE COUNTY LINE BETWEEN ST. LOUIS COUNTY AND JEFFERSON COUNTY, SAID POINT ALSO BEING THE NORTHWEST CORNER OF LOT 28 OF SAID "LOCHMOOR" SUBDIVISION; THENCE IN AN EASTERLY DIRECTION ALONG THE ST. LOUIS AND JEFFERSON COUNTY DIVIDING LINE AND THE NORTH LINE OF SAID SECTION 1 SOUTH 89 DEGREES 59 MINUTES 54 SECONDS EAST A DISTANCE OF 2803.00 FEET TO A POINT; THENCE CONTINUING ALONG SAID SECTION AND COUNTY DIVIDING LINE SOUTH 89 DEGREES 53 MINUTES 12 SECONDS EAST A DISTANCE OF 2687.31 FEET TO THE POINT OF BEGINNING CONTAINING 7,564,302 SQUARE FEET OR 173.651 ACRES ACCORDING TO CALCULATIONS BY POEHLMAN & PROST, INC. IN OCTOBER OF 2007.

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FORM NO. 13

P.S.C MO NO. 9

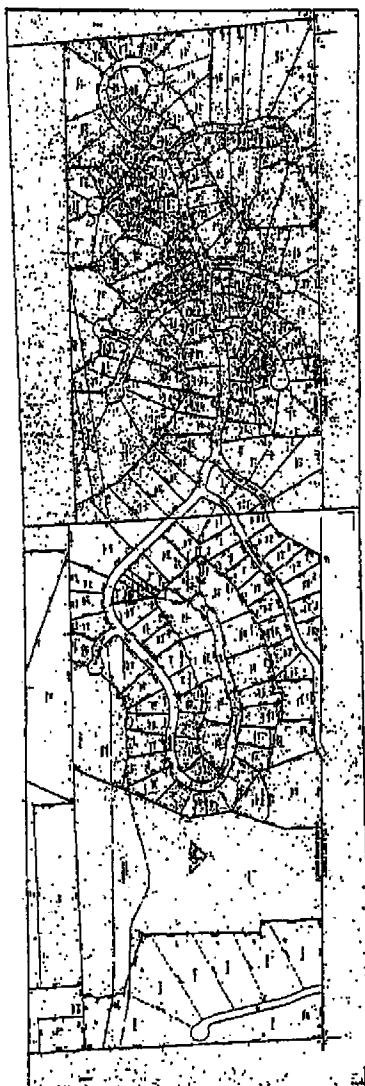
Original Certificated Area Sheet No. 8

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (St. Louis County  
and Jefferson County)  
Community, Town or City

**Certificate of Convenience and Necessity**  
**As Granted In Case No. WA-2008-0125 (Map)**



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727 Craig Road, St. Louis, MO 63141



FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 9

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (St. Charles County)  
Community, Town or City

**Metered Water Service**  
**Legal Description - Weldon Springs Service Area**

A tract of land in St. Charles County, Missouri being more particularly described as follows:

Beginning at the intersection of the extension of the centerline of Hemsath Road with the west bank of the Missouri River; thence southwestwardly along the West Bank of the Missouri River, to the eastern extension of the North line of Section 26, T46-R4E; thence west with the North lines of Sections 26 and 27 to its intersection with the North right-of-way line of the M.K. & T. Railroad; thence westwardly with the aforesaid North right-of-way line of the M.K. & T. Railroad to the centerline of U.S. Highway #40-61; thence northwestwardly with the centerline of U.S. Highway #40-61 to Station 632+37.51; thence leaving said centerline South 70 degrees 56 minutes 56 seconds West 3809.47 feet to a point; thence North 18 degrees 26 minutes 06 seconds West, 790.57 feet to a point; thence North 74 degrees 47 minutes 46 seconds West, 1900.86 feet to a point; thence North 8 degrees 51 minutes 31 seconds West, 1113.40 feet to a point on the boundary line of "Weldon Spring Heights Subdivision", a subdivision according to the plat thereof recorded in Plat Book 4 pages 163 and 164 of the St. Charles County records; thence along the boundary line of said "Weldon Spring Heights Subdivision" the following courses and distances: North 63 degrees 37 minutes 30 seconds East, 380.72 feet; North 63 degrees 37 minutes 30 seconds East, 99.32 feet; North 64 degrees 15 minutes 47 seconds East, 429.83 feet; North 26 degrees 22 minutes 15 seconds West, 430.00 feet and North 64 degrees 08 minutes 14 seconds East, 1013.84 feet at the Southeast corner of Lot 2 of aforesaid "Weldon Spring Heights Subdivision"; thence along the boundary of Missouri Research Park and the boundary of "Weldon Spring Heights Subdivision" the following courses and distances; North 26 degrees 31 minutes 19 seconds West, 1261.92 feet; South 63 degrees 51 minutes 06 seconds West, 384.63 feet; North 15 degrees 05 minutes 08 seconds West, 1224.25 feet and North 01 degree 29 minutes 39 seconds East, 270.42 feet to a point on the South line of U.S. Highway #40-61; thence North 13 degrees 19 minutes 34 seconds East, 161.24 feet to a point on the centerline of aforesaid U.S. Highway #40-61; thence continuing along said centerline to the centerline of Missouri State Highway "N" St. Charles County; thence eastwardly with the centerline of aforementioned Highway N to its intersection with the south line of Section 6, T46N-R3E; thence continuing eastwardly along the south line of Section 6, 5 & 4 of T46N-R3E to the southeast corner of Section 4; thence North with the east line of Section 4 to the northeast corner of Section 4, which is also the township line between T46N and T47N; thence West with the aforesaid township line to the centerline of Missouri State Highway "K", St. Charles County, thence in a northerly direction along the centerline of aforesaid Highway "K" to the centerline of U.S. Interstate Highway #70; thence in an easterly direction along said Highway #70 a distance of 3700 feet more or less to a point that intersects the East line of Hilltop Manor Subdivision extended; thence in a northerly direction a distance of 125 feet to the southeast corner of

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FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 10

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (St. Charles County)  
Community, Town or City

**Metered Water Service****Legal Description - Weldon Springs Service Area (continued)**

Hilltop Manor Plat One Subdivision, said point also being in the North line of Interstate Highway #94, thence <sup>second</sup> North 86 degrees 1/2 minute East a distance of 579.95 feet to a point; thence North 86 degrees 1/2 minutes East a distance of 530 feet to a point; thence North 0 degrees 1/2 minute East a distance of 635.55 feet to a point; thence North 89 degrees 25 minutes 30 seconds West, 1359.31 feet to a point; thence along the east line of County Life Acres Plat 2 Subdivision North 0 degrees 12 minutes West a distance of 1550 feet to a point in the centerline of the Wabash Railroad Tracks; thence in an Easterly direction along the centerline of the Wabash Railroad Tracks 18,000 feet to its intersection with Dardenne Creek; thence in a northerly direction with the centerline of Dardenne Creek to the North line of U.S. Survey 1754; thence eastwardly with the North line of U.S. Survey 1754 to the West line of Section 29, T47N-R4E; thence North with the West line of Section 29 to its intersection with the western prolongation of the North line of Section 28; thence eastwardly with the aforesaid prolongation of the North line of Section 28 to the northeast corner of Section 28; thence South with the East line of Section 28 to the North line of U.S. Survey 291; thence northeastwardly with the North line of U.S. Survey 291 to the most northern corner of U.S. Survey 291; thence southeastwardly with the East line of U.S. Survey 291 to its intersection with the East-West centerline of Section 25, T47N-R4E; thence East along the aforesaid East-West centerline of Section 23, to the southwest corner of the southeast 1/4 of the NE1/4 of Section 23, T47N-R4E; thence North with the 1/4-1/4 section to the northwest corner of the SE1/4 of the NE1/4 of Section 23; thence East along the North line of the aforesaid SE1/4 of the NE1/4 to its intersection with the East line of Section 23, T47N-R4E; thence South with the East lines of Section 23 and 26 to its intersection with the North line of Droste Road; thence northwestwardly with the North line of Droste Road to the center of Zumbahl Road; thence South with the centerline of Zumbahl Road to its intersection with the centerline of U.S. Interstate Highway #70; thence eastwardly with the aforesaid Highway I-70 to its intersection with the western extension of the North line of Lot 25 of Block 6 of Steen & Cunningham of the Commons of St. Charles; thence northeastwardly with the aforesaid North line of Lot 25 to the northeast corner of Lot 25; thence southeastwardly with the East line of Lots 24 and 25 of Block 6 to the southeast corner of Lot 24; thence northeastwardly with the North line of Lot 22 of Block 6 to the northeast corner of Lot 22 of Block 6; thence southeastwardly with the east line of Lot 22 of Block 6 to the North line of Lot 32 of Block 6 of Steen and Cunningham Commons of St. Charles; thence northeastwardly with the North line of Lot 32, 910 feet more or less to the most eastern corner of said Lot 32 of Block 6; thence southwardly with the southeastern line of said Lot 32 to the southwest corner of Lot 32; thence northwestwardly with the southwestern line of Lot 32 to the corner of Lot 32, said corner also being the most northern corner of Lot 36 of Block 6 of Steen and Cunningham Commons of St. Charles; thence southwestwardly with the southeast line of Lot 36

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727 Craig Road, St. Louis, MO 63141

FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 11

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (St. Charles County)  
Community, Town or City

**Metered Water Service**  
**Legal Description - Weldon Springs Service Area (continued)**

to its intersection with the East line of Block 2 of Steen and Cunninghams Commons of St. Charles; thence North with the East line of Block 2 to the Northeast corner of Lot 21 of aforesaid Block 2; thence southwestwardly with the North line of Lot 21, 22, 23, 24 and 25 to the West line of aforesaid Block 2; thence North with the west line of Block 2, 450 feet more or less to an old iron stake marking the southeast corner of proposed Graystone Subdivision said point also being South 33 degrees 30 minutes East, 1643.4 feet more or less from the northern most corner of Lot 9 of Block 8 of Steen and Cunninghams Commons of St. Charles; thence the following courses and distances to the centerline of Old Highway 94: South 59 degrees West, 560.3 feet; South 33 degrees 56 seconds East, 82.5 feet; South 61 degrees 28 minutes East, 170.61 feet; South 22 degrees 52 minutes West, 495.5 feet; South 52 degrees 23 minutes East, 189.7 feet; South 9 degrees 47 minutes East, 69.5 feet; South 19 degrees 47 minutes East 438.7 feet; South 22 degrees 10 minutes East 13.5 feet; South 26 degrees 55 minutes East 506.7 feet to the centerline of Old Highway 94; thence southwestwardly along the centerline of aforesaid Old Highway 94, 291 feet more or less to the centerline of Hemsath Road; thence southeastwardly along the centerline of Hemsath Road and its extension to the Missouri River and the point of beginning.

Excepting therefrom Scarsdale Subdivision per Case No. WM-81-321. Also that area in Section 34, T47N-R4E which was certificated to Kurt Achelpohl in case #15,357. A tract of land in St. Charles County, Missouri in U.S. Survey #312, Township 46 North, Range 4 East, and described as follows:

Beginning at the southwest corner of property described in Book 300, page 113, St. Charles County records; thence along the South line of said property North 71 degrees 41 minutes East 611.60 feet to a point; thence North 17 degrees 39 minutes West to the South line of Greens Bottom Road; thence West along said South line to its intersection with the centerline of Caulks Hill Road; thence South along said centerline to the place of beginning.

Also excepting therefrom that area known as Martell Ridge Subdivision, which area was certificated to Martell Private Water and Sewer Company in Case No. 16,186.

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727 Craig Road, St. Louis, MO 63141

FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 12

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (St. Charles County  
and St. Louis County)  
Community, Town or City

**Metered Water Service**  
**Legal Description – Line Certificate Case No. WA-96-353**

**DESCRIPTION OF LAND TO BE ADDED  
TO CERTIFICATED AREA IN  
ST. CHARLES COUNTY AND ST. LOUIS COUNTY, MISSOURI**

A strip of land, 2,400 feet wide, the centerline of which follows the proposed route of a source of supply transmission main; being part of U.S. Survey 312, U.S. Survey 289, U.S. Survey 743, and U.S. Survey 64; being part of Fractional Section 34, Township 46 North, Range 4 East; being part of Fractional Sections 2 and 4, Township 45 North, Range 4 East; being in St. Charles County and St. Louis County, Missouri; and being more particularly described as follows:

Commencing at the intersection of the north right-of-way line of the Katy Trail State Park (formerly known as M.K. & T. Railroad) with the centerline of Caulks Hill Road, which intersection point is on the existing Certificated Area line; thence eastwardly along the north right-of-way line of the Katy Trail State Park and along the existing Certificated Area line, 34.0 feet, more or less, to a point marking the intersection of the north right-of-way line of the Katy Trail State Park with the centerline of a proposed source of supply transmission main, which point is the POINT OF BEGINNING OF THE STRIP OF LAND HEREIN DESCRIBED, and which point is on the centerline of the 2,400 feet wide strip; thence along the Centerline of the 2,400 feet wide strip of land the following courses and distances: South 15° 44' 42" East, 830.00 feet; South 51° 37' 14" East, 716.48 feet; North 73° 59' 18" East, 637.00 feet; South 15° 45' 51" East, 4711.70 feet; North 73° 41' 00" East, 938.15 feet; South 15° 34' 53" East, 1,763.87 feet; South 57° 48' 49" East, 5,313.47 feet to the north bank of the Missouri River, and thence crossing the Missouri River, South 45° 47' 35" East, 2,500 feet, more or less, to a point on the property of the City of St. Louis Howard Bend Water Treatment Plant; which point is the POINT OF TERMINUS OF THE STRIP OF LAND HEREIN DESCRIBED.

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727 Craig Road, St. Louis, MO 63141

FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 13

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (St. Charles County)  
Community, Town or City

**Certificated Area No. 1 as Authorized by Case No. WA-97-45**  
**Legal Description**

DESCRIPTION OF LAND TO BE ADDED  
TO CERTIFICATED AREA IN  
ST. CHARLES COUNTY, MISSOURI

(AREA 1)

A tract of land being part of Sections 33, 34 and 35 of Township 46 North, Range 3 East, and part of Sections 3 and 4 of Township 45 North, Range 3 East, St. Charles County, Missouri, and more particularly described as follows:

Commencing at the intersection of the north right-of-way line of the Katy Trail State Park (formerly known as the M.K. & T. Railroad) with the centerline of U.S. Highway 40-61, which intersection point is on existing Certificated Area line, and which intersection point is the POINT OF BEGINNING OF THE TRACT OF LAND HEREIN DESCRIBED; thence northwestwardly along the centerline of U.S. Highway 40-61 and the existing Certificated Area line to a point known as Sta. 632+37.51; thence leaving the centerline of U.S. Highway 40-61 and continuing along the existing Certificated Area line the following courses and distances: South 70° 56' 56" West 3,809.47 feet, North 18° 26' 06" West 790.57 feet and North 74° 47' 46" West 1,900.85 feet to a point on the west line of the Missouri Research Park; thence leaving the existing Certificated Area line and southeastwardly along the west line of the Missouri Research Park and the prolongation thereof to a point on the north right-of-way line of the Katy Trail State Park (formerly known as the M.K. & T. Railroad); thence northeastwardly along the north right-of-way line of the Katy Trail State Park to the POINT OF BEGINNING.

\* Indicates new rate or text

+ Indicates change

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ISSUED BY: Frank Kartmann, President  
727 Craig Road, St. Louis, MO 63141

FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 14

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (St. Charles County)  
Community, Town or City**Certificated Area No. 2 as Authorized by Case No. WA-97-45**  
**Legal Description**MISSOURI-AMERICAN WATER COMPANY  
ST. CHARLES DISTRICTDESCRIPTION OF LAND TO BE ADDED  
TO CERTIFICATED AREA IN  
ST. CHARLES COUNTY, MISSOURI

(AREA 2)

A tract of land being part of U.S. Survey 1796, part of U.S. Survey 1669, part of Fractional Sections 31 and 32 of Township 46 North, Range 1 East, part of U.S. Survey 1798, and part of Section 6 of Township 45 North, Range 3 East, St. Charles County, Missouri and being more particularly described as follows:

Commencing at the intersection of the centerline of U.S. Highway 40-61 with the centerline of Missouri State Highway "N", which intersection point is on the existing Certificated Area line; thence southeastwardly along the centerline of U.S. Highway 40-61 and along the existing Certificated Area line to a point marking the intersection of the centerline of U.S. Highway 40-61 with the north line of U.S. Survey 1796, which point is the POINT OF BEGINNING OF THE TRACT OF LAND HEREIN DESCRIBED; thence leaving the existing Certificated Area line and southwestwardly along the north line of U.S. Survey 1796 to a point marking the most western corner of said U.S. Survey 1796; thence southwestwardly to a point marking the intersection of the west line of U.S. Survey 1669 with the north line of Fractional Section 32, T. 46 N., R. 3 E.; thence westwardly along the north line of said Fractional Section 32 to a point marking the common corner of Fractional Sections 29, 30, 31 and 32 of T. 46 N., R. 3 E.; thence westwardly along the north line of said Fractional Section 31 to a point marking the intersection of the north line of said Fractional Section 31 with the east line of U.S. Survey 1798; thence southwardly along the east line of U.S. Survey 1798, 3000 feet; thence southwestwardly to a point marking the intersection of the township line between T. 46 N. and T. 45 N. with the range between R. 2 E. and R. 3 E.; thence southwardly along the west line of Section 6, T. 45 N., R. 3 E. to a point marking the southwest corner of the northwest quarter of the northwest quarter of said Section 6; thence eastwardly along the south line of the north half of the northwest quarter of said Section 6 to a point marking the southwest corner of the northeast quarter of the northeast quarter of said Section 6; thence eastwardly along the south line of the northwest quarter of the northeast quarter of said Section 6 to a point marking the intersection of the said south line of the northwest quarter of the northeast quarter of Section 6 with the south right-of-way line of Missouri Route 94; thence northeastwardly along the south right-of-way line of Missouri Route 94 to a point marking the intersection of the south right-of-way line of Missouri Route 94 with the centerline of U.S. Highway 40-61, which point is on the existing Certificated Area line; thence northwestwardly along the centerline of U.S. Highway 40-61, and along the existing Certificated Area line to the POINT OF BEGINNING.

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727 Craig Road, St. Louis, MO 63141

FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 15

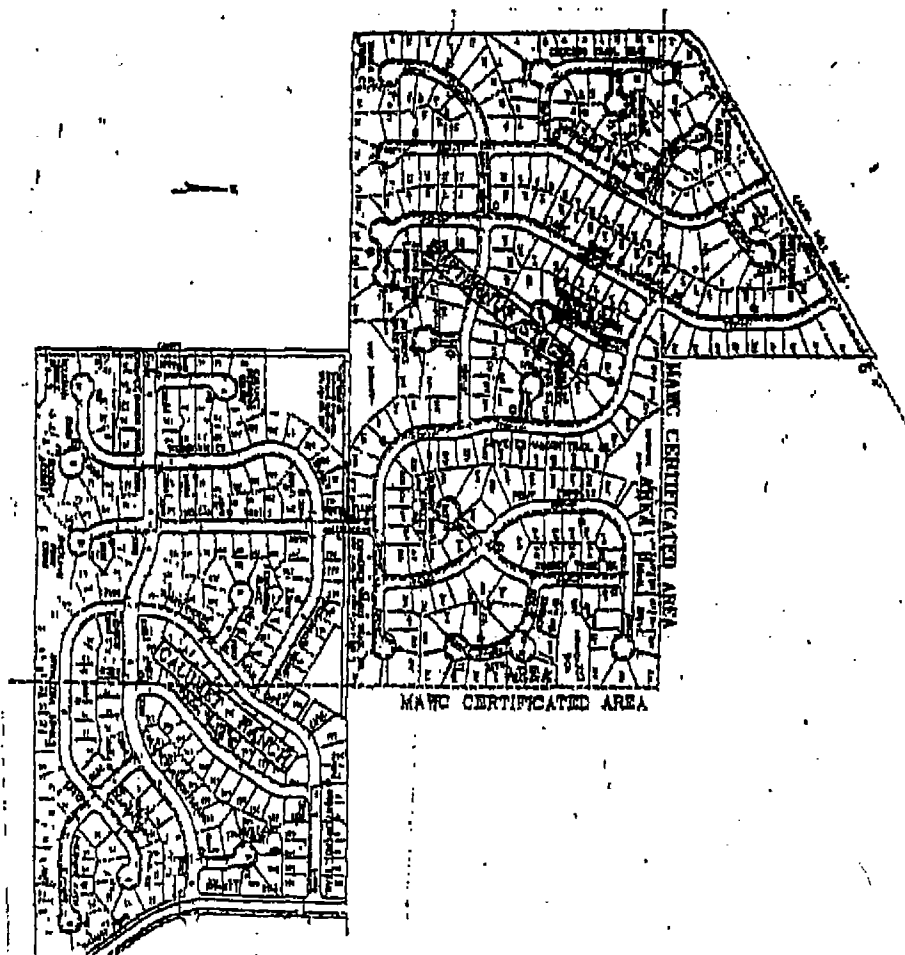
Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (St. Charles County)  
Community, Town or City

**Certificated Area No. 3 as Authorized by Case No. WA-97-45**  
**Legal Description**

Description of subdivisions as recorded with St. Charles County Recorder of Deeds as follows: Calumet Ranch, Plat Three, at Book 33, pages 275-279; Calumet Ranch, Plat Two, at Book 33, pages 138-140; Butternut Stage, Plat One, at Book 33, pages 280, 281; Timber Hills (formerly Butternut Stage, Plat Two) at Book 34, pages 201-203; Huntington Downs (formerly Butternut Stage, Plat Three) at Book 33, pages 349, 350.



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FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 16

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (St. Charles County)  
Community, Town or City

**Cole Creek Area as Authorized by Case No. WA-2000-59**  
**Legal Description**

Beginning at the intersection of the southeast boundary of the Missouri American Water Company's Certificate of Convenience & Necessity (as existing on March 21, 1983, then Missouri Cities Water Company) with the southeasterly extension of the centerline of Hemsath Road; thence northwesterly along the centerline of Hemsath Road to the centerline of Old Highway 94; thence northeasterly along the centerline of Old Highway 94 a distance of 291 feet, more or less to a point from which an iron pipe bears North 26 degrees 55 minutes West 35 feet; thence North 26 degrees 55 minutes West 506.7 feet to an iron pipe; thence North 22 degrees 10 minutes West 13.5 feet to an iron pipe; thence North 19 degrees 47 minutes West 438.7 feet to an iron pipe; thence North 9 degrees 47 minutes West 69.5 feet to an iron pipe; thence North 52 degrees 23 minutes West 189.7 feet to an iron pipe; thence North 22 degrees 52 minutes East 495.5 feet to an iron axle; thence North 61 degrees 28 minutes West 170.61 feet to an iron pipe; thence North 33 degrees 56 minutes West 82.5 feet to an iron stake; thence North 59 degrees 00 minutes East 560.3 feet to an iron stake; thence South 33 degrees 30 minutes East to the most westerly corner of Lot 25 in Block 2 of Steen & Cunningham's Subdivision; thence northeasterly along the northwest line of Lots 25, 24 and 23 in Block 2 of Steen and Cunningham's Subdivision to the boundary of the Missouri American Water Company; thence southerly along said boundary to the point of beginning.

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FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 17Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (St. Charles County)  
Community, Town or City

Certificated Area as Authorized by Case No. WA-2000-461  
Legal Description

A strip of land located in U.S. Survey 312, U.S. Survey 29, U.S. Survey 657, and U.S. Survey 16, in St. Charles County, Missouri. Said strip of land 1,000 feet wide, and bound on the north by a line described as follows: Commencing at the intersection of the north right-of-way line of the Katy Trail State Park (formerly the north right-of-way of the Missouri Kansas and Texas Railroad) and the centerline of Caulks Hill Road; thence westerly along said right-of-way 10,600 feet to a point west of the westerly right-of-way of Pittman Hill Road, which point is the northwest corner of said strip of land; excluding overlapping area granted as part of a line certificate in Case no. WA-96-353.

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FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 18

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (St. Charles County)  
Community, Town or City

**Boundary as Established by Territorial Agreement with Public Water District #2  
And Commission Case No. WO-2001-441**

MAWC will serve customers located within its certificated area east of the following line:

**Description:**

Starting from a point at Belleau Creek Road and Interstate 70 heading 900' southeast on and along the centerline of Belleau Creek Road to a point 300' north of the centerline of Belleau Lake Drive. (1300' north of centerline of Schoal Creek) Head 1300' northwest to the centerline of Old Highway 40 and Galaxy. At that point head 1100' head southwest on and along the centerline of Old Highway 40. At that point head 4300' southeast along the southwest side of Belleau Lake Estates Subdivision and southwest side of Schrader Farms Subdivision to the centerline of Mexico Road. At that point head 3800' northwest on and along the centerline of Mexico Road to a point 300' west of the centerline of White Oak. From that point head 1300' southwest to the northeast corner of Autumn Chase Subdivision. Head south 4000' along the west side of Legacy Estates and Fawn Meadows Subdivision to the centerline of Laura Hill Road and St. Anthony. From the centerline of St. Anthony's, head 400' east on and along the centerline of Laura Hill Road. At that point head south 1500' on and along the west side of Butternut Stage Subdivision to the southwest corner of Butternut Stage Subdivision. At that point head 1400' east on and along the south side of Butternut Stage and the north side of Hutchings Farms Subdivision (northeast corner of Hutchings Farms Subdivision) Then head 1400' south along the west side of Calumet Ranch and the east side of Hutchings Farms Subdivision. Then head 2800' east along the south side of Calumet Ranch and the north side of Knaust Manor Subdivision to the centerline of Knaust Road and 400' north of the centerline of Lion. At that point head 1000' south along the centerline of Knaust Road to a point 150' south of the centerline of Donnie. Turn and head 600' west from the centerline of Knaust Road at that point head 1900' south to a point 200' north of Avondale. At that

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FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 19

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (St. Charles County)  
Community, Town or City

**Boundary as Established by Territorial Agreement with Public Water District #2  
And Commission Case No. WO-2001-441 (continued)**

point head 600' east to the centerline of Knaust Road and follow the centerline of Knaust Road 400' southeast, then head 1900' along the southeast side of Avondale Subdivision at that point 3200' head west along the south side of Avondale and the north side of Highland Trails Subdivision (This would be the southwest corner of Avondale Subdivision). Then head 1500' northwest along the northwest side of Avondale Subdivision to a point of projection of the centerline of Lac Terra, this point is also 250' northeast of the centerline of Dardenne Farms. From this point head southwest 500' (also 250' southwest of centerline of Dardenne Farms) at this point head north 350' from the centerline of Lac Terre. At that point head 1300' southwest along the northwest side of **Dardenne Farms Enclaves Subdivision**. Then head 3400' southeast along the northeast side of Wheatfield Subdivisions and the west side of Dardenne Farms and Meadow Lakes Subdivisions to the centerline of Highway N (This point is also 200' west of the centerline of Meadow Lake). From the centerline of Highway N continue to head 2600' south to the centerline of Dardenne Creek, at that point follow the centerline of Dardenne Creek southwest 3800' to the centerline of Highway K (This point is also 350' north of the centerline of Sports Park Drive). From that point head 2700' south on and along the centerline of Highway K to the centerline of O'Fallon Road. Head 2500' on and along the centerline line of O'Fallon Road to the southwest corner of **Monticello Estates Subdivision** (This point is also 600' south of the centerline of Chelsea Way) Head 3400' southwest on and along the south side of **Monticello Estates Subdivision** to the centerline of Highway K. Head 500' south along the centerline of Highway K to a point 350' south of Carters Grove. Head south 2200' south along the west side of **Monticello Manor Subdivision** to the centerline of Weldon Springs Road. Head 3100' southwest along the centerline of Weldon Springs Road to the centerline of Highway K. Head south 1000' along the centerline of Highway K to the centerline of Highway 40/61.

From that point continue to head 1900' south to a point, then head 4000' southwest to the centerline of Highway D. Follow the centerline of Highway D 2300'. (This point is approximately 5800' east of the centerline of the Entrance to the Conservation Area). Head 700' south from the centerline of Highway D to a point, where you turn and head 1200' southwest to a point, where you turn south for 600'. At this point turn and head east 2000' to the centerline of Highway 94. At that point follow the centerline of Highway 94 northeast 11000' to the intersection of Highway 40/61. Head 4000'

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FORM NO. 13

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Original Certificated Area Sheet No. 20

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (St. Charles County)  
Community, Town or City

**Boundary as Established by Territorial Agreement with Public Water District #2  
And Commission Case No. WO-2001-441 (continued)**

southeast of the centerline of Highway 40/61 to a point 350' southwest of the projection of South Drive. At that point head 500' southeast to a point then turn south for 400' to a point 600' northwest of the cul-de-sac of the Missouri Research Park. At that point head 900' southwest to a point. From that point head 6300' south to the north bank of the Missouri River (this point is also 1500' south of the centerline of the Katy Trail and 7000' southwest of the centerline of Highway 40/61. From that point head east to the St. Charles and St. Louis County Line.

**Areas West of Boundary Line Serviced by Missouri  
American**

Pursuant to the Territorial Agreement, MAWC will continue to serve the following areas which are west of the Boundary Line:

**Deer Creek Crossing and Bates Village**

Starting from a point northeast on the northeast side of Deer Creek Crossing and the centerline of Highway K heading 3300' northwest on and along the north side of Deer Creek Crossing and Bates Village. Turn and head 1100' southwest on and along the west side of Bates Village to a point. Then head southeast 800' to a point and head 1100' southeast to the centerline of Highway N and 700' southeast of the centerline of McCluer Road. From that point head 3200' east along the centerline of highway K. then head 1500' north along the centerline of Highway K to the northeast corner of Deer Creek Crossing, approximately 700' south of the centerline of Royal Spring Parkway.

**Cheneaux Village**

Starting from a point 150' north of the centerline of Cinnamon Tea (this is also the northwest corner of Cheneaux Village). Head 2000' northeast from the centerline of Henning Road to the northeast corner of Cheneaux Village at that point head 2500' southeast to the centerline of Dardenne Creek and follow Dardenne Creek 2800' west to the centerline of Henning Road 1700' to a point 150' north of the centerline of Cinnamon Tea.

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727 Craig Road, St. Louis, MO 63141

FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 21

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (St. Charles County)  
Community, Town or City

**Boundary as Established by Territorial Agreement with Public Water District #2  
And Commission Case No. WO-2001-441 (continued)**

### Field Stone Farms

Starting from the centerline of the intersection of Weldon Springs and Brook. At that point head 3100' northeast on and along the north line of Field Stone Farms Subdivision. Head 900' south then 350' southwest, 1200' southeast, 650' southwest, 1100' north, 1000' southwest, 2800' southwest, 1200' southeast to the centerline of Highway K. At that point head 350' southeast on and along the centerline of Highway K to a point 250' southeast of the centerline of Crusher. Then head west 1100' to a point, turn 600' southwest to the centerline of Weldon Springs Road. Follow the centerline of Weldon Springs 4200' northwest to the intersection of Weldon Springs Road and Brook.

### Areas East of Boundary Line Served by Public Water District #2

Pursuant to the Territorial Agreement, Public Water District #2 will continue to serve the following areas which are east of the Boundary Line:

### Persimmon Woods Golf Course

"All of lots 11, 12, part of 13 of the John D. Coalters Howell Prairie tract and US Survey 1669 Township 46 N Range 3 East S. Charles County Missouri" as further identified in the Extension Agreement recorded at Book 1955, Page 1575 of the Recorder of Deeds St. Charles County, Missouri.

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727 Craig Road, St. Louis, MO 63141

FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 22Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (St. Charles County)  
Community, Town or City**Boundary as Established by Territorial Agreement with Public Water District #2  
And Commission Case No. WO-2001-441 (continued)****MCI World Com and Bender Properties**

The MCI World Com Property consists of the following:

**PARCEL ONE**

The following described property located in the County of St. Charles, State of Missouri:

Lot No. 35 of the Howell Prairie Tract, part of U.S. Survey No. 1669, Township 46 North, Range 3 East, containing 45.15 acres. For a more particular description of said lot, reference is made to the Plat and field notes of the Survey of said Howell Prairie Tract, which are attached to and recorded with a Deed to one Frederick Busch, recorded in Book "H," No. 2, Page 140, of the Recorder's Office of St. Charles County, Missouri.

**EXCEPTING THEREFROM THE FOLLOWING TRACTS OF LAND:**

TRACT NO. 1, that part acquired by the State of Missouri as set forth in Commissioners Report recorded in Book 455, page 293. An easement for right-of-way for State Highway Route 40TR in St. Charles County, Missouri, (all direct access to the thruway of Route 40TR from the abutting property is herewith prohibited or limited except as herein set out) across the following parcel of land containing 4.94 acres, more or less, of new right-of-way situate in Lot 5 of Howell's Prairie Tract in U.S. Survey 1669, Township 46 North, Range 3 East, St. Charles County, Missouri, described as follows: Being all of defendants' land bounded on the Southeast by defendants' Southeast property line, also being the South line of said Survey 1669; on the Southwest by the existing Northeast right-of-way line of Route 40TR; bounded on the Northwest by defendants' Northwest property line; and bounded on the Northeast by a line described as follows: Beginning at a point on defendants' said Northwest property line being 199.96 feet radial distance Northeast of Station 578+81.41 on the hereinafter described centerline of Route 40TR; thence South 35 degrees 39 minutes 05 seconds East 1195.32 feet to a point being 270 feet perpendicular distance Northeast of centerline Station 590+00; thence parallel to said centerline South 26 degrees 11 minutes 50 seconds East 488.41 feet to a point on defendants' said Southeast property line, being 270 feet perpendicular distance Northeast of centerline Station 594+88.41.

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727 Craig Road, St. Louis, MO 63141

FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 23

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (St. Charles County)  
Community, Town or City

**Boundary as Established by Territorial Agreement with Public Water District #2  
And Commission Case No. WO-2001-441 (continued)**

The centerline of Route 40TR is described as follows: Beginning at Station 577+97.25 on the centerline of Route 40TR, being South 64 degrees 05 minutes 10 seconds West 145.24 feet along the Southwest prolongation of defendants' said Northwest property line from defendants' Northwest property corner; thence Southeast on the arc of a curve to the right having a radius of 1393.87 feet, a distance of 486.93 feet to C.S. Station 582+84.18 on said centerline; thence Southeast on the arc of a spiral curve to the right having a spiral angle of 6 degrees 09 minutes 57 seconds, a distance of 300 feet to centerline S.T. and equation Station 585+84.18 back equals Station 585+86.30 ahead; thence South 26 degrees 11 minutes 50 seconds East 899.36 feet to the Southwest prolongation of defendants' said Southeast property line intersecting said centerline at Station 594+85.66.

TRACT No. 2, that part conveyed to Frederic H. Baumgarth and Catherine M. Baumgarth, his wife, by Deed recorded in Book 705, page 523 of the St. Charles County records. A tract of land being a part of Lot No. 35 of Howell's Prairie Tract as the same is set out on a Plat of Howell's Prairie Tract set out in a deed of Frederic Busch recorded in Book "H," No. 2, Page 140, in the St. Charles County Recorder's Office, being more particularly described as follows: Commencing at the point of intersection of the Southwest corner of Granada Hills Subdivision as the same is set out on a plat thereof recorded in Plat Book 5 Pages 86-87 in the St. Charles County Recorder's Office and the Northwest line of Lot No. 35 of Howell's Prairie Tract as the same is set out in Book "H" No. 2 Page 140; thence Southwestwardly along the Northwest line of said Lot No. 35 to its point of intersection with the East right-of-way line of U.S. Highway No. 40 as said right-of-way was established in State of Missouri ex rel State Highway Commission vs. Florence Meyer, et al., Cause No. 4509, Circuit Court of St. Charles County, Missouri, which is the beginning point of the tract of land herein conveyed; thence Northeast along the Northwest line of said Lot No. 35 a distance of 306 feet to a point; thence Southeast along a line parallel to the East line of said Lot No. 35 a distance of 537 feet to a point; thence Southwest along a line parallel to the Northwest line of said Lot 35 a distance of 204 feet to the East right-of-way line of said Highway No. 40; thence Northwest along said East highway right-of-way line to the place of beginning.

TRACT NO. 3, that part conveyed to Walter Bender, et al., by Deed recorded in Book 705, Page 920 of the St. Charles County records. A tract of land being a part of Lot No. 35 of Howell's Prairie Tract as the same is set out on a Plat of Howell's Prairie Tract

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FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 24

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (St. Charles County)  
Community, Town or City

**Boundary as Established by Territorial Agreement with Public Water District #2  
And Commission Case No. WO-2001-441 (continued)**

set out in a deed to Frederick Busch recorded in Book "H" No. 2 Page 140 in the St. Charles County Recorder's Office, being more particularly described as follows: Commencing at the most Northeastern corner of said Lot No. 35; thence Northwestwardly along the Northeast line of said Lot No. 35 a distance of 238 feet to a point; thence Northwestwardly along a line parallel to the Southeast line of said Lot No. 35 a distance of 920 feet, more or less, to the Northeast right-of-way line of U.S. Highway 40-61; thence Southeast along said Highway right-of-way line a distance of 238 feet, more or less, to its point of intersection with the Southeast line of said Lot No. 35, thence Northeast along the Southeast line of said Lot No. 35, 920 feet to the point of beginning, containing 5.026 acres, more or less.

**PARCEL TWO**

The Walter L. and David C. Bender, Trustees of Unified Credit Trust Created Under Section 3 of the Last Will and Testament of Melba L. Bender and Bender Investment Partners, Inc. as Tenants in Common is as follows:

A tract of land being part of Fractional Section 27, Township 46 North, Range 3 East, St. Charles County, Missouri, and being more particularly described as follows:

Beginning at the Southwest corner of the Southeast Quarter of the Southeast Quarter of above said Section 27; thence North 89 degrees 57' 30" West along the South line of said Section 27 a distance of 1052.26 feet to the Northeasterly line of U.S. Highway 40TR as established in Commissioners Report recorded in Deed Book 455 page 293 of the St. Charles County Records; thence North 28 degrees 15' 08" West along the Northeasterly line of said U.S. Highway 40TR a distance of 221.16 feet to the Southeasterly line of U.S. Survey 1669; thence North 62 degrees 14' 50" East along the Southeasterly line of said U.S. Survey 1669 a distance of 922.37 feet; thence departing the Southeasterly line of said U.S. Survey 1669 South 28 degrees 35' 27" East 711.90 feet to the point of beginning.

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FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 25Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (St. Charles County)  
Community, Town or City

**Boundary as Established by Territorial Agreement with Public Water District #2**  
**And Commission Case No. WO-2001-441 (continued)**

PARCEL THREE

The Walter L. and David C. Bender as Trustees of the Unified Credit Trust Created Under Section 3 of the Last Will and Testament of Melba L. Bender property is as follows:

A tract of land being part of fractional Section 34, Township 46 North, Range 3 East, St. Charles County, Missouri, and being more particularly described as follows:

Beginning at the Northwest corner of the Northeast Quarter of the Northeast Quarter of above said Section 34; thence South 01 degrees 17' 49" West a distance of 1,117.66 feet; thence North 88 degrees 42' 18" West a distance of 340.38 feet to a point on the Northeasterly line of U.S. Highway 40; thence Northwesterly along said Northeasterly line of U.S. Highway 40 a distance of 1,334.23 feet to a point on the North section line of said section 34; thence North 87 degrees 50' 58" west along the North section line of said Section 34 a distance of 1,001.90 to the point of beginning.

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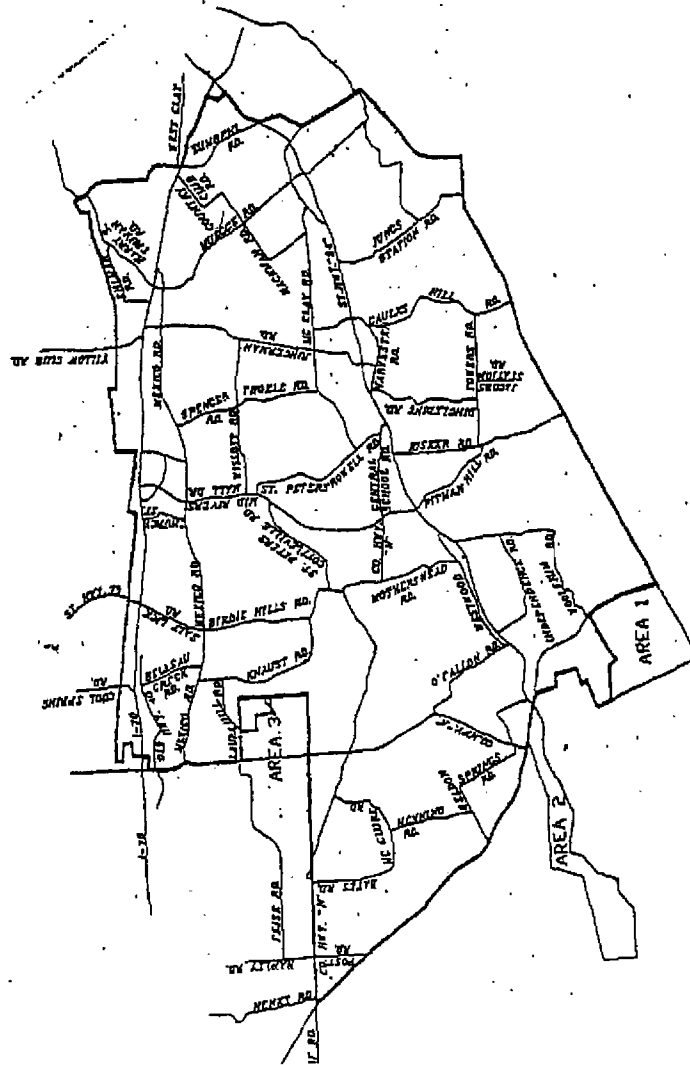
Original Certificated Area Sheet No. 26

Missouri-American Water Company  
Name of issuing Corporation

For

Missouri Service Area (St. Charles County)  
Community, Town or City

**Map - Certificated Area as Amended by Case No. WA-97-45**



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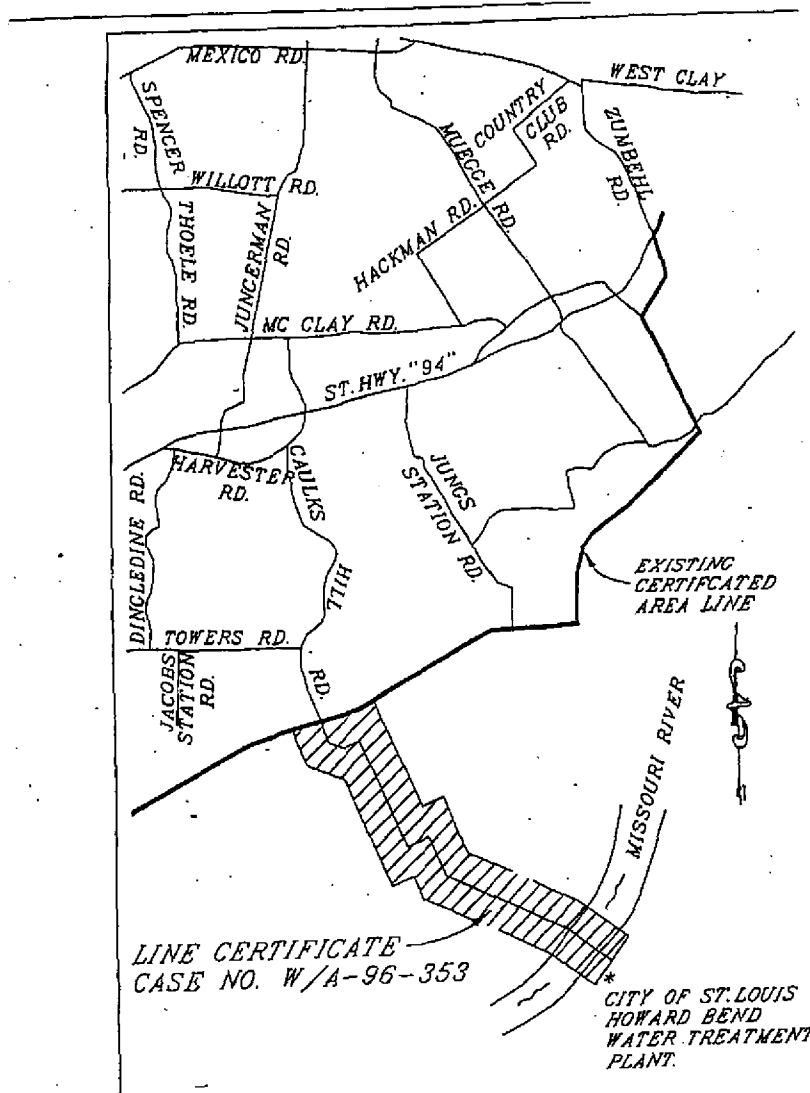
Original Certificated Area Sheet No. 27

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (St. Charles County)  
Community, Town or City

**Map - Certificated Area as Amended by Case No. WA-96-353**



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FORM NO. 13

P.S.C MO NO. 9

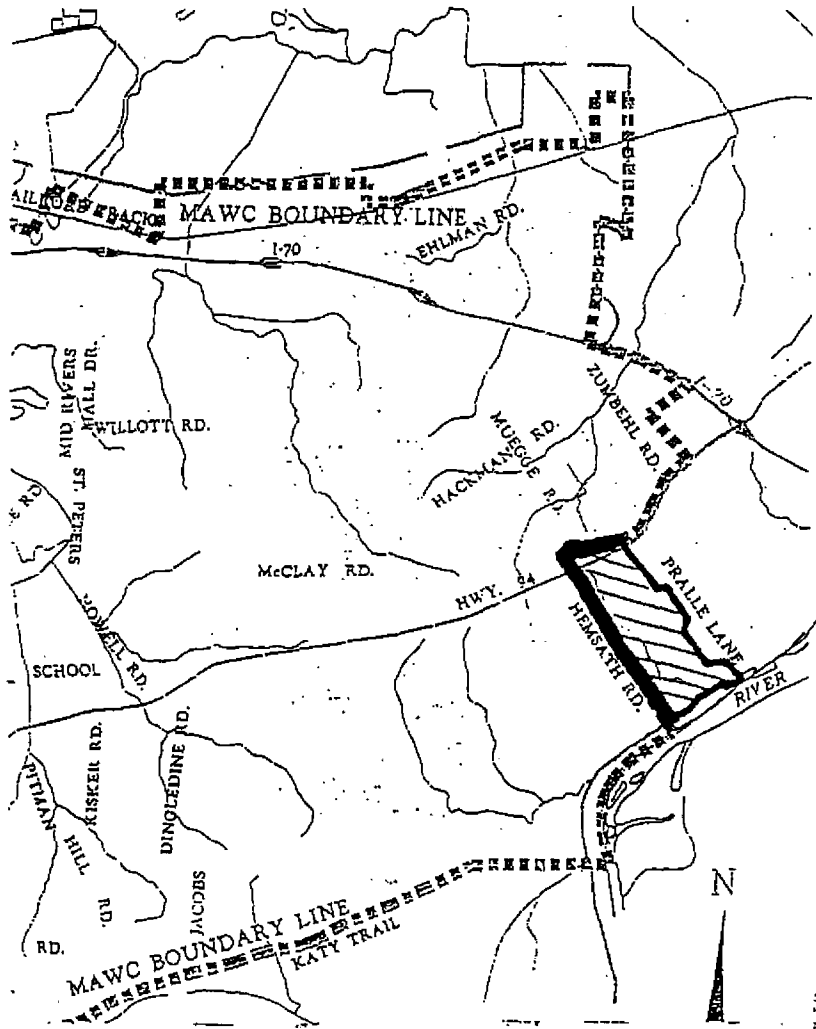
Original Certificated Area Sheet No. 28

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (St. Charles County)  
Community, Town or City

**Map - As Authorized by Case No. WA-2000-59**



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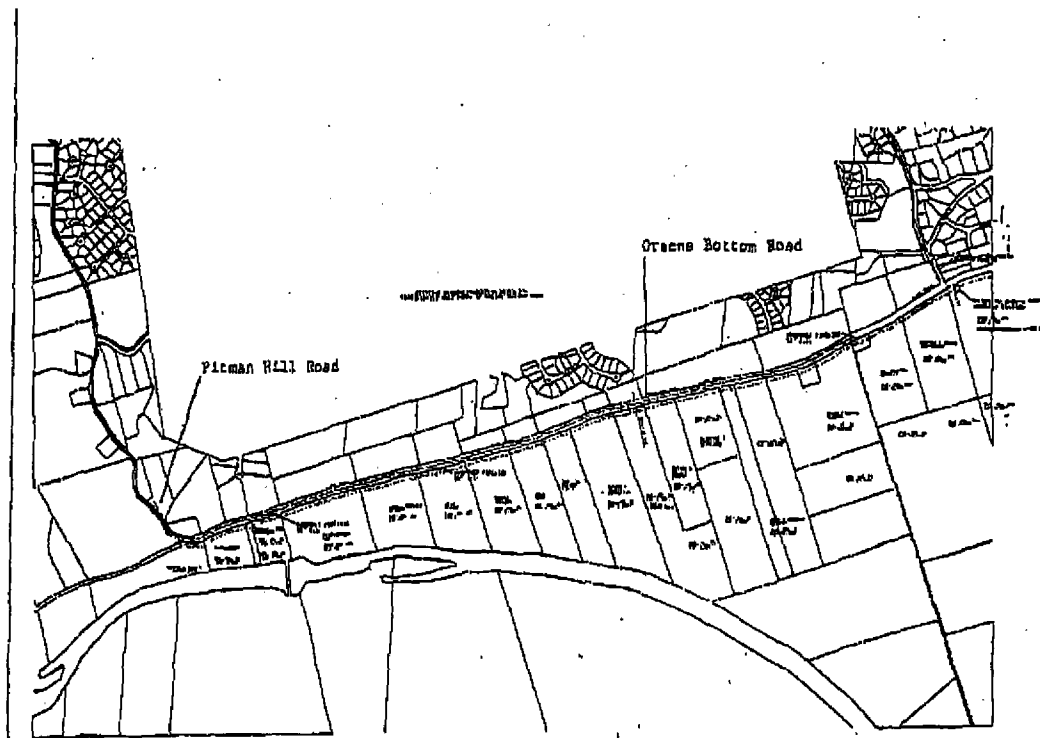
Original Certificated Area Sheet No. 29

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (St. Charles County)  
Community, Town or City

**Map - As Authorized by Case No. WA-2000-461**



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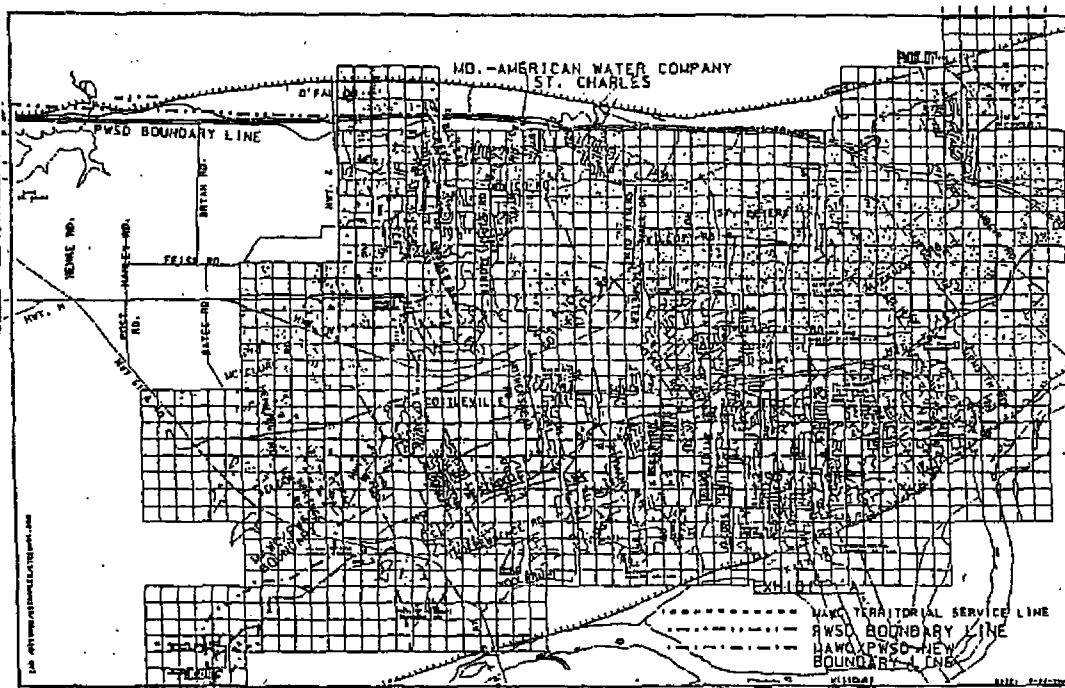
Original Certificated Area Sheet No. 30

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (St. Charles County)  
Community, Town or City

**Map - As Established by Territorial Agreement**



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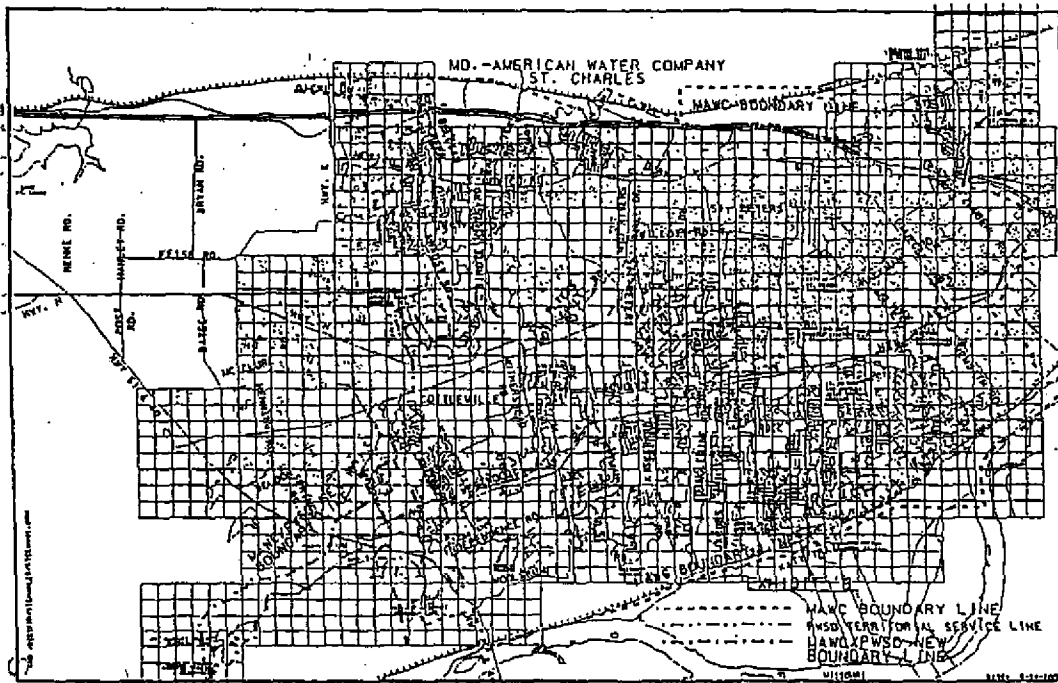
Original Certificated Area Sheet No. 31

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (St. Charles County)  
Community, Town or City

**Map - As Established by Territorial Agreement**



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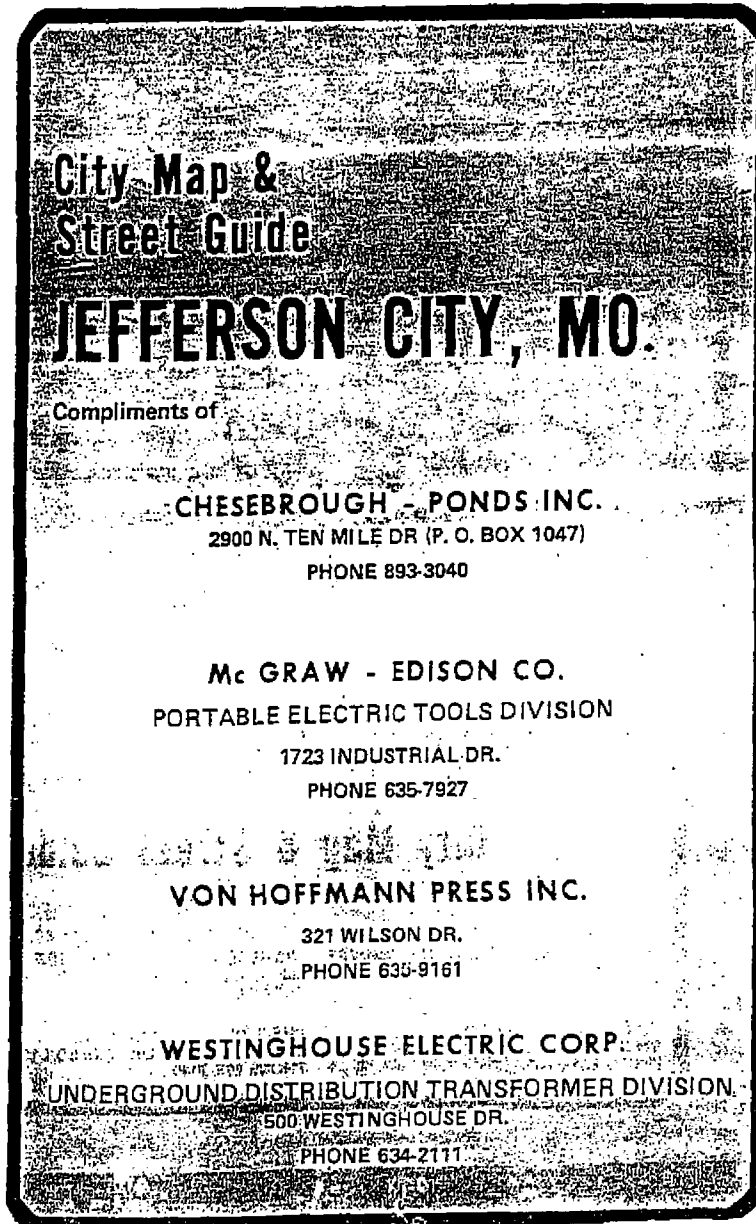
Original Certificated Area Sheet No. 32

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (Jefferson City)  
Community, Town or City

**Service Area Map**



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FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 33

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (Platte County)  
Community, Town or City

**Water Service**  
**Legal Description**

All that part of Platte County, Missouri, described as follows:

Beginning at the southerly prolongation of the west line of Section Twenty-four (24), Township Fifty-one (51), Range Thirty-five (35), and its intersect with the northerly line of the Missouri River; thence North along the west lines of Sections Twenty-four (24), Thirteen (13), Twelve (12), and One (1), Township Fifty-one (51), Range Thirty-five (35), and the west lines of Sections Thirty-six (36), Twenty-five (25), and Twenty-four (24), Township Fifty-two (52), Range Thirty-five (35), to the Northwest corner of said Section Twenty-four (24); thence East along the north line of Section Twenty-four (24), Township Fifty-two (52), Range Thirty-five (35), and the north line of Section Nineteen (19), Township Fifty-two (52), Range Thirty-four (34), to a point One Hundred Eighty (180) feet West of the east line of said Section 19; thence South along a line One Hundred Eighty (180) feet West of and parallel with the east lines of Sections Nineteen (19), Thirty (30), and Thirty-one (31), Township Fifty-two (52), Range Thirty-four (34), to a point One Hundred Eighty (180) feet South of the north line of the South Half of the North Half of said Section 31; thence East along a line One Hundred Eighty (180) feet South of the north line of the South Half of the North Half of Sections Thirty-one (31) and Thirty-two (32), Township Fifty-two (52), Range Thirty-four (34), to a point One Hundred Eighty (180) feet West of the east line of the West Half of the West Half of said Section 32; thence South along a line One Hundred Eighty (180) feet West of the east line of the West Half of the West Half of said Section 32, and continuing South along a line One Hundred Eighty (180) feet West of the east line of the West Half of the West Half of Sections Five (5) and Eight (8), Township Fifty-one (51), Range Thirty-four (34), to a point One Hundred Eighty (180) feet South of the north line of the South Half of the South Half of said Section 8; thence East along a line One Hundred Eighty (180) feet South of and parallel with the north line of the South Half of the South Half of Sections Eight (8) and Nine (9), Township Fifty-one (51), Range (34), to the east line of said Section 9; thence North along the west lines of Sections Ten (10) and Three (3), Township Fifty-one (51), Range Thirty-four (34) and the west lines of Sections Thirty-four (34),

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FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 34

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (Platte County)  
Community, Town or City

**Water Service**  
**Legal Description (continued)**

Twenty-seven (27), Twenty-two (22), and Fifteen (15), Township Fifty-two (52), Range Thirty-four (34), to the northwest corner of said Section 15; thence East along the north lines of Sections Fifteen (15), Fourteen (14) and Thirteen (13), Township Fifty-two (52), Range Thirty-four (34) and the north lines of Sections Eighteen (18), Seventeen (17), Sixteen (16), and Fifteen (15), Township Fifty-two (52), Range Thirty-three (33), to the Platte-Clay Counties Line; thence South along the Platte-Clay Counties Line to a common corner which is the southern boundary of Kansas City, Missouri, as it existed on August 11, 1982, the northern boundary of the City of Northmoor, Missouri, as it existed on August 11, 1982, and the State Highway right-of-way South Boundary of Interstate 29, as it existed on August 11, 1982; thence West along the said Kansas City, Missouri, Boundary Line Two Thousand Five Hundred Forty (2,540) feet to the center line of Line Creek (said center line is Nine Hundred Twenty-Five (925) feet West of the center line of Highway AA); thence southerly following the center line of Line Creek to the center point of a bridge over Line Creek on US Highway 69 and 169 (which point is also Ninety-Five (95) feet East of the center line of the intersection of Homestead Road); thence easterly along the center line of US Highway 69 and 169 for Three Thousand (3,000) feet to the Platte-Clay Counties Line; thence South along the Platte-Clay Counties Line to its intersection with the north line of the Missouri River; thence northwesterly along the north line of the Missouri River and its meandering thereof to the point of beginning.

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FORM NO. 13

P.S.C MO NO. 9

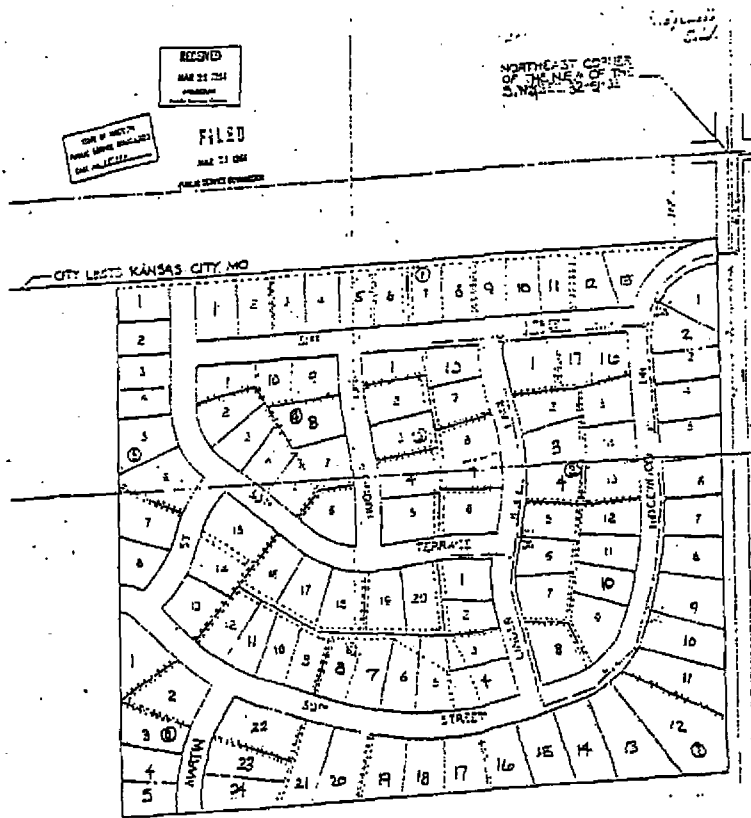
Original Certificated Area Sheet No. 35

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (Platte County)  
Community, Town or City

**Sewer Service Area  
Map**



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FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 36

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (Platte County)  
Community, Town or City

**Sewer Service Area**  
**Legal Description**

The facilities serve approximately 100 lots in Ridgewood Estates Subdivision located in Section 31, Township 51N, Range 33W, in Platte County, Missouri.

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FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 37

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (Warrensburg and adjacent area)  
Community, Town or City

**Certificated Area as Authorized by Case No. WA-2000-58**  
**Legal Description**

The southeast quarter of Section 1, Township 45 North, Range 26 West.

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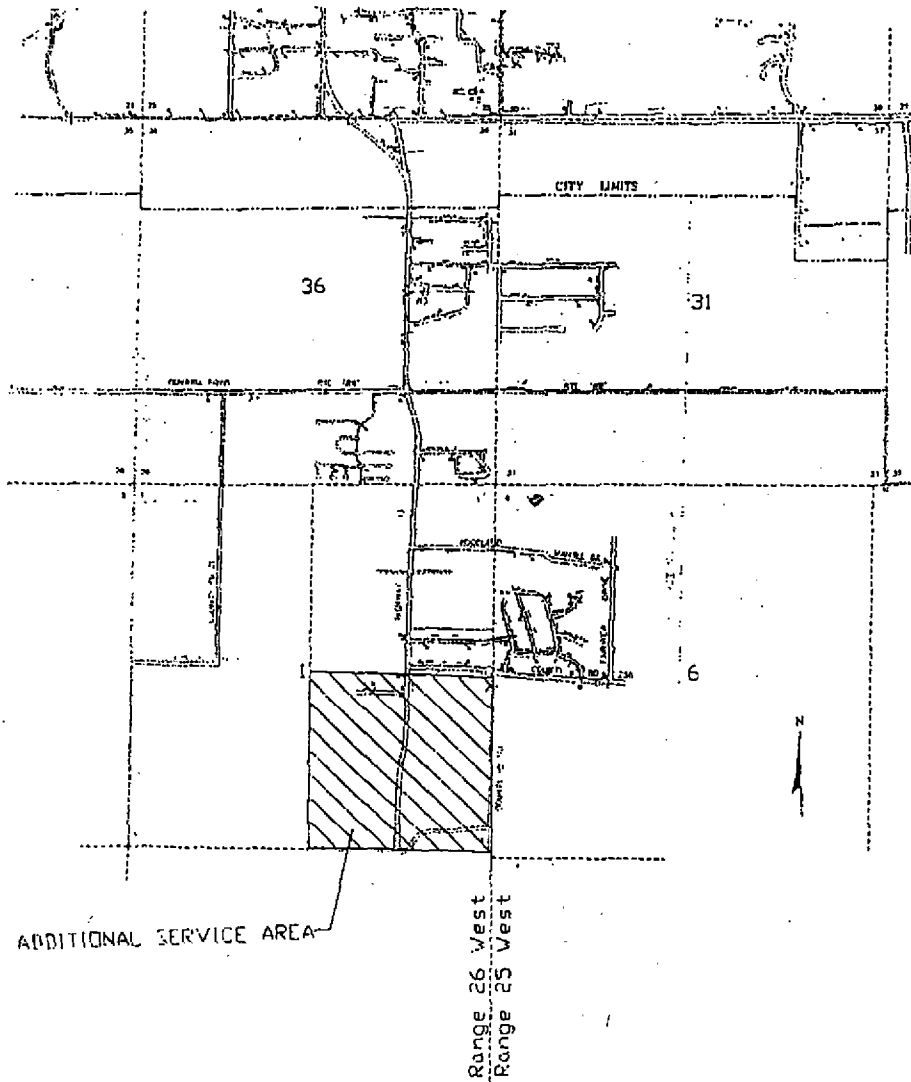
Original Certificated Area Sheet No. 38

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (Warrensburg and adjacent area)  
Community, Town or City

**Certificated Area as Authorized by Case No. WA-2000-58**  
**Map**



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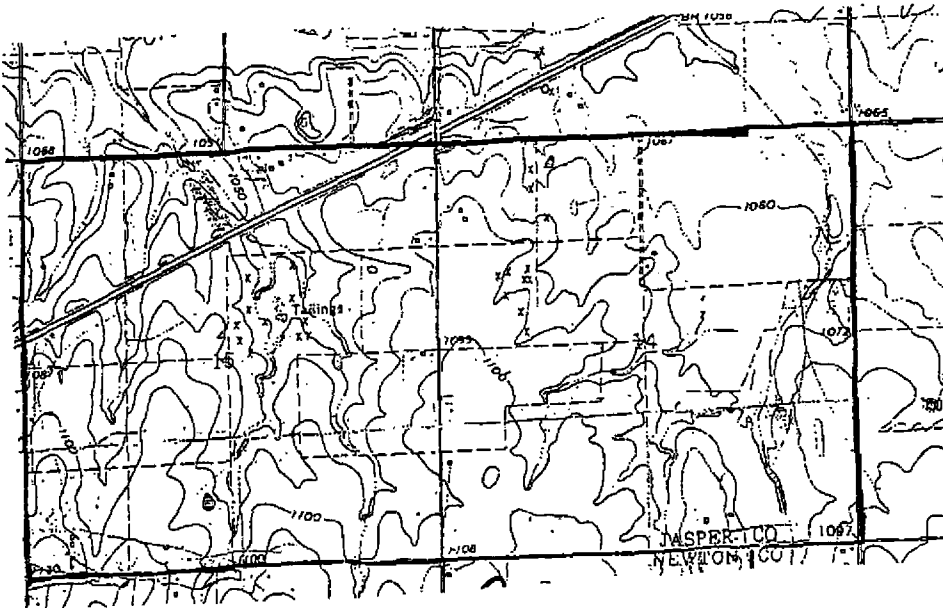
Original Certificated Area Sheet No. 39

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (City of Joplin and vicinity)  
Community, Town or City

**Certificated Area as Authorized by Case No. WA-2000-405**  
**Map**



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FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 40

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (City of Joplin and vicinity)  
Community, Town or City

**Certificated Area as Authorized by Case No. WA-2000-405**  
**Legal Description**

Land consisting of all Section 14, Township 27 North, Range 32 West, Jasper County, Missouri and all Section 15, Township 27 North, Range 32 West, Jasper County, Missouri.

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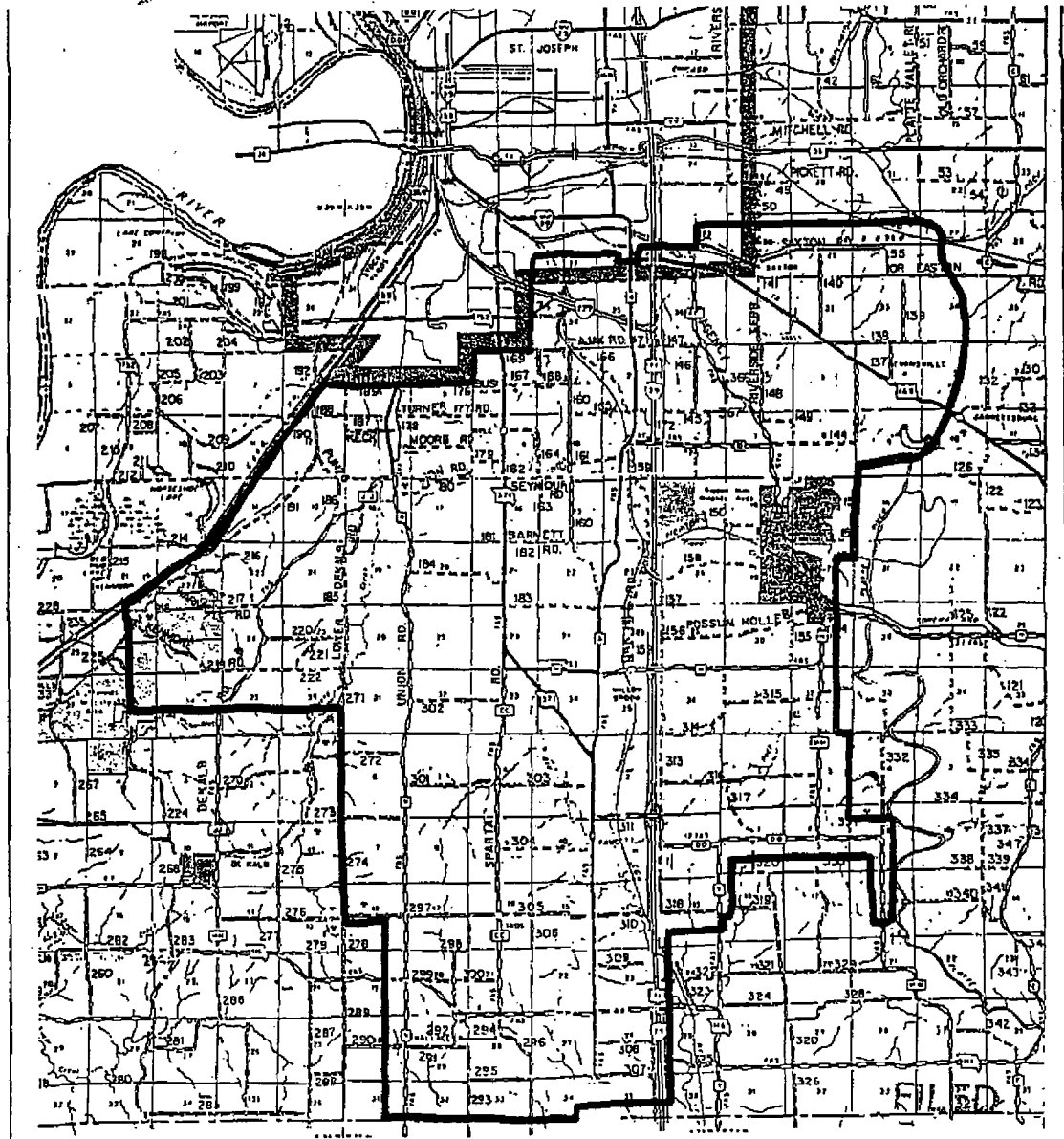
Original Certificated Area Sheet No. 41

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (City of St. Joseph and vicinity)  
Community, Town or City

**Certificated Area as Authorized by Case No. WA-92-84**  
**Map**



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727 Craig Road, St. Louis, MO 63141

FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 42

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (City of St. Joseph  
and vicinity)  
Community, Town or City

**Certificated Area as Authorized by Case No. WA-92-84**  
**Legal Description (continued)**

Beginning at a point on the city limit line of the City of St. Joseph, Buchanan County, Missouri, and said point being the Northwest Corner of the Southwest Quarter (SW $\frac{1}{4}$ ) of Section Five (5), Township Fifty-six (56), Range Thirty-five (35); thence East along the East and West centerline of said Section Five (5) to the East line of said Section Five (5); thence North along the line of said Section Five (5) to the South line of Section Thirty-three (33), Township Fifty-seven (57) North, Range Thirty-five (35) West; thence East along the South line of said Section Thirty-three (33); thence North along the East line of said Section Thirty-three (33) and of Section Twenty-eight (28), Township Fifty-seven (57) North, Range Thirty-five (35) West to the East and West centerline of Section Twenty-seven (27), Township Fifty-seven (57), Range Thirty-five (35); thence East along the East and West centerline of Section Twenty-seven (27) and Section Twenty-six (26), Township Fifty-seven (57), Range Thirty-five (35) to the North-South centerline of said Section Twenty-six (26); thence South along said North-South centerline, a distance of 1,850 feet; thence East to the West right-of-way line of Interstate Highway 29; thence Northerly along the West right-of-way line of said Interstate Highway 29 to the East-West centerline of said Section Twenty-six (26); thence East along said East-West Centerline to the East line of said Section Twenty-six (26); thence South on said Section line 0°32' East, a distance of 104 feet; thence South 57°32' East, a distance of 330 feet; thence South 70°32' East, a distance of 670 feet; thence North 85°17" East, a distance of 528.71 feet; thence South 302.62 feet; thence South 89°40' East, a distance of 1,112.36 feet; thence North 39°40" West 480.53 feet; thence North 47°49" West 199.29 feet to the Northeast Corner of Lot one (1), "MUNGER'S SUBDIVISION"; thence due North to the North line of the C.B.&W. Railroad Right-of-Way, said point being the South line of Saxton Road, thence Easterly along the North line of said right-of-way to the East line of the Southwest Quarter (SW $\frac{1}{4}$ ) of Section Twenty-five (25), Township Fifty-seven (57) North, Range Thirty-five (35) West; thence North along the North and South centerline of said Section Twenty-five (25) to the Northwest Corner of the Southwest Quarter (SW $\frac{1}{4}$ ) of the Northeast

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FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 43

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (City of St. Joseph  
and vicinity)  
Community, Town or City

**Certificated Area as Authorized by Case No. WA-92-84**  
**Legal Description (continued)**

Quarter (NE $\frac{1}{4}$ ) of said Section Twenty-five (25), thence East along the North line of the South Half (S $\frac{1}{2}$ ) of the Northeast Quarter (NE $\frac{1}{4}$ ) of said Section Twenty-five (25) to the Northeast Corner of said South Half (S $\frac{1}{2}$ ) of said Northeast Quarter (NE $\frac{1}{4}$ ) of said Section Twenty-Five (25); thence along the Range line between Ranges Thirty-five (35) and Thirty-four (34) to the Northwest Corner of the Southwest Quarter (SW $\frac{1}{4}$ ) of the Northwest Quarter (NW $\frac{1}{4}$ ) of Section Thirty (30), Township Fifty-seven (57), Range Thirty-four (34); thence East along the North line of the South Half (S $\frac{1}{2}$ ) of the North Half (N $\frac{1}{2}$ ) of Section Thirty (30), twenty-nine (29), Twenty-eight (28) and Twenty-seven (27) to the center of the Platte River; thence Southerly along the center of the Platte River to a point on the South line of the North Half (N $\frac{1}{2}$ ) of the South Half (S $\frac{1}{2}$ ) of Section Nine (9), Township Fifty-six (56), Range Thirty-four (34); thence West along the South line of the North Half (N $\frac{1}{2}$ ) of the South Half (S $\frac{1}{2}$ ) of Section (9), Township Fifty-six (56), Range Thirty-four (34), to the Northeast Corner of the South Half (S $\frac{1}{2}$ ) of the South Half (S $\frac{1}{2}$ ) of Section Eight (8), Township Fifty-six (56), Range Thirty-four (34); thence South along the East line of Sections Eight (8), Seventeen (17) and Twenty (20), Township Fifty-six (56), Range Thirty-four (34), to the Southeast Corner of the Northeast Quarter (NE $\frac{1}{4}$ ) of the Northeast Quarter (NE $\frac{1}{4}$ ) of said Section Twenty (20); thence West along the South line of said Northeast Quarter (NE $\frac{1}{4}$ ) of the Northeast Quarter (NE $\frac{1}{4}$ ) of said Section Twenty (20) to the Southwest Corner of said Northeast Quarter (NE $\frac{1}{4}$ ) of the Northeast Quarter (NE $\frac{1}{4}$ ) of said Section Twenty (20); thence South along the east line of the West Half (W $\frac{1}{2}$ ) of the East Half (E $\frac{1}{2}$ ) of Sections Twenty (20), twenty-nine (29) and Thirty-two (32), Township Fifty-Six (56), Range Thirty-four (34) to the Southeast Corner of the Southwest Quarter (SW $\frac{1}{4}$ ) of the Southeast Quarter (SE $\frac{1}{4}$ ) of said Section thirty-two (32); thence East along the Township line between Townships Fifty-six (56) and Fifty-five (55) to the Northeast Corner of Section Five (5), Township Fifty-five (55), Range Thirty-four (34); thence South along the East line of

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FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 44

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (City of St. Joseph  
and vicinity)  
Community, Town or City

**Certificated Area as Authorized by Case No. WA-92-84**  
**Legal Description (continued)**

Sections Five (5) and Eight (8), Township Fifty-five (55), Range Thirty-four (34), to the Northwest Corner of the Southwest Quarter (SW $\frac{1}{4}$ ) of the Northwest Quarter (NW $\frac{1}{4}$ ) of Section Nine (9), Township Fifty-five (55), Range Thirty-four (34); thence East along the North line of the South Half (S $\frac{1}{2}$ ) of the North Half (N $\frac{1}{2}$ ) of said Section Nine (9) to the Northeast Corner of the Southwest Quarter (SW $\frac{1}{4}$ ) of the Northeast Quarter (NE $\frac{1}{4}$ ) of said Section Nine (9); thence South along the East line of the West Half (W $\frac{1}{2}$ ) of the East Half (E $\frac{1}{2}$ ) of Sections Nine (9) and Sixteen (16), Township Fifty-five (55), Range Thirty-four (34), to the Southeast corner of the Northwest Quarter (NW $\frac{1}{4}$ ) of the Southeast Quarter (SE $\frac{1}{4}$ ) of said Section Sixteen (16); thence West along the South line of the North Half (N $\frac{1}{2}$ ) of the South Half (S $\frac{1}{2}$ ) of said Section Sixteen (16) to the Southwest Corner of the Northeast Quarter (NE $\frac{1}{4}$ ) of the Southwest Quarter (SW $\frac{1}{4}$ ) of said Section Sixteen (16); thence North along the West line of the East Half (E $\frac{1}{2}$ ) of the West Half (W $\frac{1}{2}$ ) of said Sections Sixteen (16) and Nine (9) to the Northwest Corner of the Southeast Quarter (SE $\frac{1}{4}$ ) of the Southwest Quarter (SW $\frac{1}{4}$ ) of said Section Nine (9); thence West along the South line of the North Half (N $\frac{1}{2}$ ) of the South Half (S $\frac{1}{2}$ ) of Sections Nine (9), Eight (8) and Seven (7), Township Fifty-five (55), Range Thirty-four (34) to the Southwest Corner of the Northeast Quarter (NE $\frac{1}{4}$ ) of the Southwest Quarter (SW $\frac{1}{4}$ ) of said Section Seven (7); thence South along the East line of the West Half (W $\frac{1}{2}$ ) of the West Half (W $\frac{1}{2}$ ) of Sections Seven (7) and Eighteen (18), Township Fifty-five (55), Range Thirty-four (34) to the Southeast corner of the Northwest Quarter (NW $\frac{1}{4}$ ) of the Southwest Quarter (SW $\frac{1}{4}$ ) of said Section Eighteen (18); thence West along the South line of the Northwest Quarter (NW $\frac{1}{4}$ ) of the Southwest Quarter (SW $\frac{1}{4}$ ) of said Section Eighteen (18) to the Southwest Corner of the Northwest Quarter (NW $\frac{1}{4}$ ) of the Southwest Quarter (SW $\frac{1}{4}$ ) of said Section Eighteen (18); thence along the Range line between Ranges Thirty-five (35) and Thirty-four (34) to the Southeast Corner of the Northeast Quarter (NE $\frac{1}{4}$ ) of the

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FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 45

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (City of St. Joseph  
and vicinity)

Community, Town or City

**Certificated Area as Authorized by Case No. WA-92-84**  
**Legal Description (continued)**

Southeast Quarter (SE $\frac{1}{4}$ ) of Section Thirteen (13), Township Fifty-five (55), Range Thirty-five (35); thence West along the South line of the North Half (N $\frac{1}{2}$ ) of the South Half (S $\frac{1}{2}$ ) of said Section Thirteen (13) to the Southwest Corner of the Northwest Quarter (NW $\frac{1}{4}$ ) of the Southwest Quarter (SW $\frac{1}{4}$ ) of said Section Thirteen (13); thence South along the East line of Sections Fourteen (14), Twenty-three (23), Twenty-six (26) and Thirty-five (35); Township Fifty-five (55), Range Thirty-five (35) to the Southeast corner of the Northeast Quarter (NE $\frac{1}{4}$ ) of said Section Thirty-five (35); thence West along the East and West centerline of Sections Thirty-five (35) and Thirty-four (34), Township Fifty-five (55), Range Thirty-five (35) to the North-South centerline of the East Half (E $\frac{1}{2}$ ) of Section Thirty-four (34), Township Fifty-five (55), Range Thirty-five (35); thence South along said North-South centerline to the county line between Platte and Buchanan Counties; thence West along said county line to the North-South centerline of the East Half (E $\frac{1}{2}$ ) of Section Thirty-one (31), Township Fifty-five (55), Range Thirty-five (35); thence North along the North-South centerline of the East Half (E $\frac{1}{2}$ ) of Sections Thirty-one (31), Thirty (30), Nineteen (19) and Eighteen (18), Township Fifty-five (55), Range Thirty-five (35), to the East-West centerline of said Section Eighteen (18); thence West to the Range line between Range Thirty-five (35) and Range Thirty-six (36); thence North along said Range line to the East-West centerline of Section Thirty-six (36); Township Fifty-six (56), Range Thirty-six (36); thence West along the centerline of Sections Thirty-six (36), Thirty-five (35), Thirty-four (34) and Thirty-three (33), Township Fifty-six (56), Range Thirty-six (36) to the North-South centerline of said Section Thirty-three (33); thence North along the North-South centerline of Sections Thirty-three (33), Twenty-eight (28) and Twenty-one (21), Township Fifty-six (56), Range Thirty-six (36) to the centerline of U.S. Highway 59, thence Northeasterly along said centerline of U.S. Highway 59 to the East-West centerline of Section Fourteen (14), Township Fifty-six (56) North, Range Thirty-Six (36) West; thence East to the center of said Section

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FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 46

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (City of St. Joseph  
and vicinity)  
Community, Town or City

**Certificated Area as Authorized by Case No. WA-92-84**  
**Legal Description (continued)**

Fourteen (14); thence North along the North-South Centerline of Section Fourteen (14) to the North line of said Section Fourteen (14); thence East along the North line of said Section Fourteen (14) to the Southwest Corner of Section Twelve (12), Township Fifty-six (56), Range Thirty-six (36); thence North along the West line of said Section Twelve (12) to the centerline of U.S. Highway 59; thence Northeasterly along said centerline of U.S. Highway 59 to the East-West centerline of Section One (1), Township Fifty-six (56), Range Thirty-six (36); thence East along the East-West centerline of Section One (1) to the Range line between Range Thirty-six (36) and Range Thirty-five (35); thence along said Range line to the East-West centerline of said Section Six (6), Township Fifty-six (56), Range Thirty-five (35); thence East along said East-West centerline of said Section Six (6) to the point of beginning.

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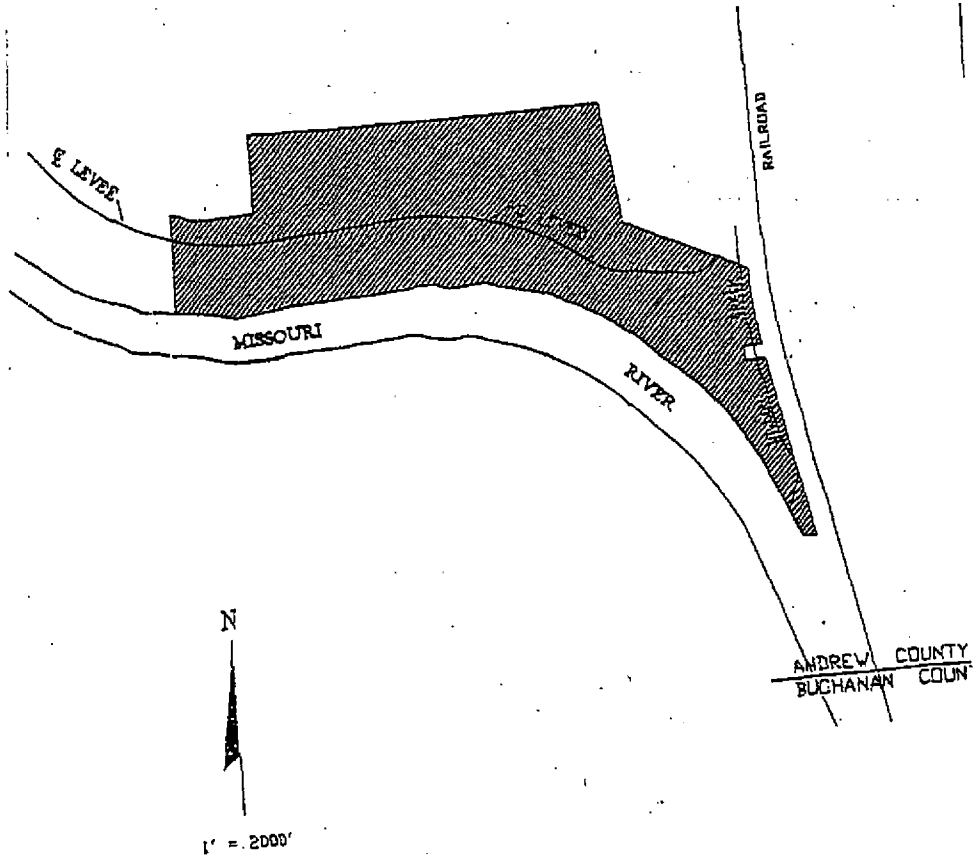
Original Certificated Area Sheet No. 47

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (City of St. Joseph  
and vicinity)  
Community, Town or City

**Certificated Area as Authorized by Case No. WA-97-46**  
**Map**



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FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 48

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (City of St. Joseph  
and vicinity)  
Community, Town or City

**Certificated Area as Authorized by Case No. WA-97-46**  
**Legal Description**

A tract of land in Sections 13, 14, and 24, Township 58 North, Range 36 West, and in Sections 18 and 19, lying West of the Westerly right-of-way of the C.B. & Q. Railroad, now Burlington Northern Railroad, in Township 58 North, Range 35 West, together with all accretions to said lands West or South to the Missouri River, except 1/4 acres, more or less, to the Boy Scouts of America for water purposes as recorded in Book 186, Page 59, Deed Records of Andrew County, Missouri, and except all that part of a tract of land by Quit-Claim Deed to Nodaway Island Drainage District No. 1, recorded in Book 192, Page 146, dated February 7, 1947, all in Andrew County, Missouri, and being more particularly described as follows: Commencing at the Northeast corner of the Southeast Quarter of Section 14, Township 58 North, Range 36 West, thence along the North line of the Southeast Quarter North 89°51'57" West, 1400.62 feet to the West line of the East half of the Southeast Quarter of said Section 14; thence South 00°52'35" West along said Quarter Quarter line 1146.21 feet to a point in the center of a ditch; thence along center of said ditch the following bearings and distances: South 85°48'42" West, 512.40 feet; thence South 85°42'36" West, 361.44 feet; thence North 79°38'00" West, 110.53 feet; thence North 74°08'49" West, 451.05 feet to a point on the West line of the Southeast Quarter of Section 14; thence along the West line of said Southeast Quarter of Section 14 South 01°41'25" West, 1490.03 feet to a point on the high bank of the Missouri River; thence along the said high bank the following bearings and distances: North 89°41'27" East, 37.59 feet; South 79°26'53" East, 180.61 feet; South 85°27'46" East, 157.38 feet; South 92°11'42" East, 244.13 feet; South 75°33'51" East, 327.73 feet; North 71°44'17" East, 150.82 feet; South 72°04'22" East, 255.32 feet; North 72°13'13" East, 152.11 feet; South 84°51'08" East, 130.56 feet; North 82°17'39" East, 841.93 feet; North 77°49'20" East, 457.45 feet; North 88°53'27" East, 436.96 feet; North 86°56'01" East, 95.46 feet; North 84°33'18" East, 222.55 feet; North 85°57'20" East, 164.05 feet; North 67°35'58" East, 117.99 feet; South 84°35'28" East, 118.10 feet; South 89°45'41" East, 115.23 feet; South 72°49'36" East, 187.84 feet; South 72°09'59" East, 53.94 feet; South 89°16'40" East, 337.21 feet; North 84°03'19" East, 220.99 feet; South 72°46'18" East, 277.33 feet; South 79°26'23" East, 208.73 feet; South 76°45'21" East, 217.44 feet; South 75°29'39" East, 179.68 feet; South 70°25'32" East, 175.37 feet; South 63°45'34" East, 196.98 feet; South 61°48'32" East, 68.40 feet; South 73°55'16" East, 109.48 feet; South 63°03'40" East, 171.73 feet; South 65°34'41" East, 187.49 feet; South 60°05'55" East, 185.55 feet; South 54°04'00" East, 178.68 feet; South 56°39'16" East, 237.15 feet; South 55°26'15" East, 165.70 feet; South 49°38'02" East, 208.80 feet; South 48°17'04" East, 279.28 feet; South 50°15'03" East, 231.02 feet; South 46°04'08" East, 247.01 feet; South 48°15'28" East, 196.78 feet; South 41°28'48" East, 263.41 feet; South 40°34'16" East, 235.09 feet; South 35°40'07" East, 228.01 feet; South 34°02'31" East, 752.92 feet; South 24°46'48" East, 1301.82 feet; thence leaving said high bank of the Missouri River at a point on the South line of the North one-half of the Southwest Quarter of said Section 19, along the South line of said North one-half South 89°56'16" East 205.45 feet to a point on the Westerly right-of-way line of the C.B. & Q. Railroad; thence North 11°50'51" West,

\* Indicates new rate or text

+ Indicates change

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ISSUED BY: Frank Kartmann, President  
727 Craig Road, St. Louis, MO 63141



FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 49

Missouri-American Water Company  
Name of issuing Corporation

For

Missouri Service Area (City of St. Joseph  
and vicinity)  
Community, Town or City

**Certificated Area as Authorized by Case No. WA-97-46**  
**Legal Description (continued)**

2698.08 feet to a point on the South line of the tract sold to the Boy Scouts of America recorded in Book 186, Page 59; thence along said South line North 89°56'16" <sup>Public</sup> East, 330.00 feet; thence North 00°03'44" East, 198.00 feet; thence South 89°56'16" East, 288.24 feet to a point on the Westerly right-of-way line of the C.B. & Q. Railroad; thence North 11°50'51" West, 240.95 feet along said Westerly right-of-way line to a point on a curve to the right having a radius of 7541.57 feet for an arc length of 879.66 feet chord bearing North 05°05'05" West, to a point in line with an existing drainage ditch from the Northwest; thence North 64°31'29" West, 539.16 feet along the center of said drainage ditch to the center line of an existing levee; thence along the former western boundary of said drainage ditch North 64°30' West 1518.3 feet; thence North 8°29' West 1788.8 feet to the North line of the Southeast Quarter of said Section 13; thence North 89°57' West 4035.3 feet along the North line of the Southeast Quarter and Southwest Quarter of said Section 13 to the point of beginning; EXCEPT all that part of a tract of land by Quit-Claim Deed to Nodaway Island Drainage District No. 1, recorded in Book 192, Page 146, dated February 7, 1947, being described as follows: Beginning at a point 250 feet North and 170.8 feet East of the center of the Southeast Quarter of Section 13, Township 58, Range 36, Andrew County, Missouri; thence South 8°10' East, 1685.5 feet; thence South 3° East 874.9 feet; thence North 87° East 200 feet; thence North 3° West, 874.9 feet; thence North 8°10' West, 1685.5 feet; thence West 202.0 feet to the place of beginning. Subject to public roads and highways.

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FORM NO. 13

P.S.C MO NO. 9

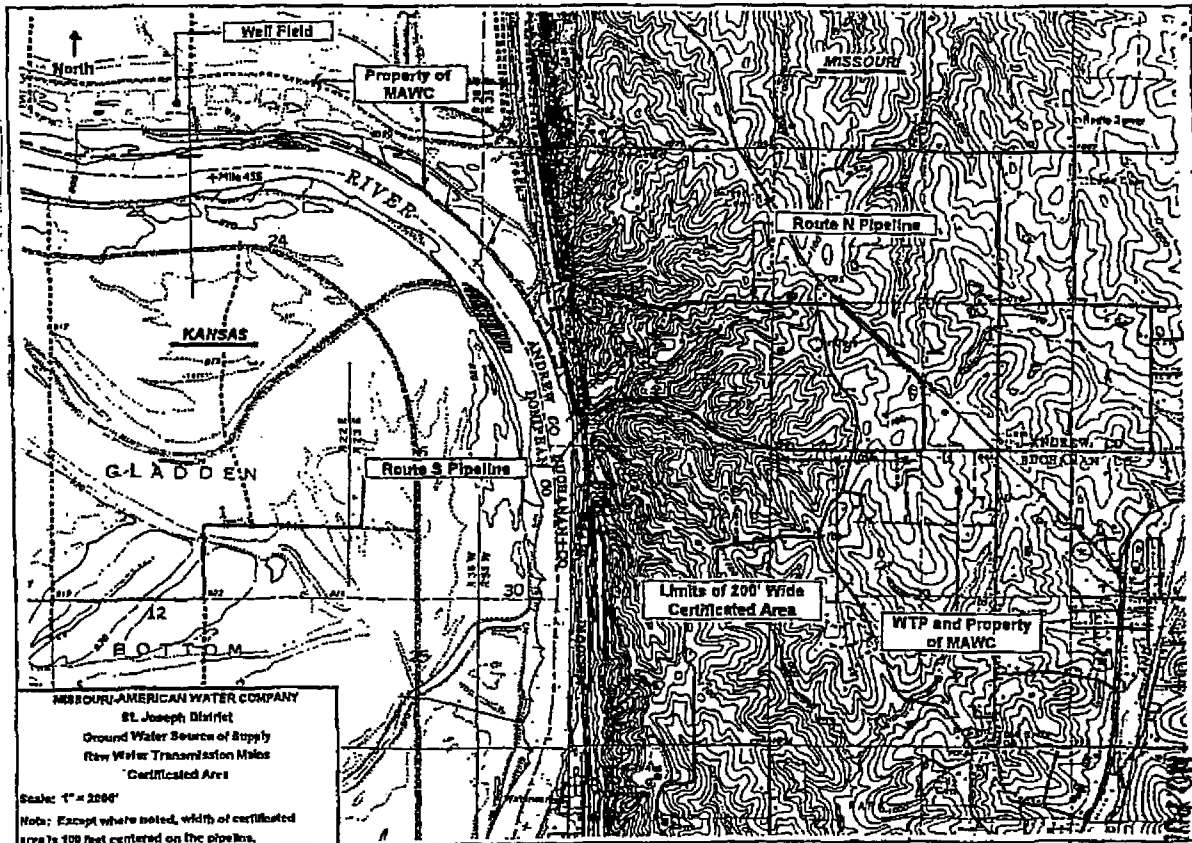
Original Certificated Area Sheet No. 50

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (City of St. Joseph and vicinity)  
Community, Town or City

**Certificated Area as Authorized by Case No. WA-97-46**  
**Map**



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FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 51

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (City of St. Joseph  
and vicinity)  
Community, Town or City

**Certificated Area as Authorized by Case No. WA-97-46**  
**Legal Description (continued)**

Commencing at the south quarter corner of Section 20, Township 58 North, Range 35 West, Andrew County, Missouri; thence along the south line of said section south 89 degrees 51 minutes 21 seconds west, 4.37 feet to the Point of Beginning; thence north 45 degrees 00 minutes 00 seconds west, 7.92 feet; thence north 00 degrees 16 minutes 52 seconds east, 1166.98 feet; thence north 45 degrees 36 minutes 24 seconds west, 480.26 feet; thence north 46 degrees 30 minutes 58 seconds west, 1013.43 feet; thence north 47 degrees 05 minutes 18 seconds west, 197.82 feet; thence north 46 degrees 29 minutes 55 seconds west, 401.69 feet; thence south 89 degrees 52 minutes 26 seconds west, 345.90 feet; thence north 67 degrees 37 minutes 34 seconds west, 52.78 feet; thence south 89 degrees 52 minutes 26 seconds west, 735.80 feet to the west line of said Section 20; thence south 89 degrees 56 minutes 25 seconds west, 742.23 feet to the east right-of-way line of Interstate 229; thence south 89 degrees 58 minutes 17 seconds west, 328.44 feet; thence south 86 degrees 22 minutes 55 seconds west, 102.55 feet; thence south 89 degrees 27 minutes 47 seconds west, 62.74 feet to the west right-of-way line of Interstate 229; thence continuing south 89 degrees 27 minutes 47 seconds west, 162.28 feet; thence north 86 degrees 19 minutes 01 seconds west 59.03 feet; thence north 89 degrees 04 minutes 28 seconds west, 118.74 feet; thence south 44 degrees 41 minutes 36 seconds west, 102.81 feet; thence south 72 degrees 17 minutes 15 seconds west, 140.74 feet; thence north 83 degrees 37 minutes 04 seconds west, 63.16 feet; thence north 89 degrees 01 minutes 07 seconds west, 79.97 feet; thence south 89 degrees 03 minutes 44 seconds west, 121.57 feet; thence north 67 degrees 21 minutes 34 seconds west, 252.32 feet; thence south 86 degrees 25 minutes 36 seconds west, 79.97 feet; thence south 80 degrees 25 minutes 36 seconds west, 79.97 feet; thence south 73 degrees 40 minutes 36 seconds west, 99.93 feet; thence south 67 degrees 39 minutes 31 seconds west, 115.68 feet to the west line of the southeast 1/4 of Section 19, Township 58 North, Range 35 West, Andrew County, Missouri; thence south 56 degrees 19 minutes 45 seconds west, 55.53 feet; thence south 33 degrees 49 minutes 45 seconds west, 52.69 feet; thence south 78 degrees 49 minutes 45 seconds west, 42.31 feet; thence north 89 degrees 55 minutes 15 seconds west, 203.21 feet; thence south 78 degrees 49 minutes 45 seconds west, 104.96 feet; thence north 78 degrees 40 minutes 15 seconds west, 59.81 feet; thence north 59 degrees 10 minutes 15 seconds west, 205.26 feet; thence north 33 degrees 48 minutes 11 seconds west, 116.86 feet to the south line of the northwest 1/4 of said Section 19, said point being 723.27 feet west of the center of said Section 19; thence north 33 degrees 42 minutes 08 seconds west, 44.03 feet; thence north 56 degrees 12 minutes 08 seconds west, 202.05 feet; thence north 33 degrees 42 minutes 08 seconds west, 54.60 feet; thence north 33 degree 42 minutes 08 seconds west, 77.59 feet; thence north 56 degrees 12 minutes 08 seconds west, 41.85 feet; thence north 78 degrees 47 minutes 52 seconds west, 126.70 feet; thence north 56 degrees 12 minutes 08 seconds west, 104.96 feet; thence north 11 degrees 15 minutes 20 seconds west, 1560.87 feet; thence north 09 degrees 59 minutes 50 seconds west, 553.16 feet; thence north 07 degrees 04 minutes 00 seconds west, 223.06 feet; thence north 51 degrees 05 minutes 53 seconds west, 14.18 feet; thence south 83 degrees 54 minutes 07 seconds west, 127.94 feet to the point where said centerline intersects the westerly right-of-way line of the Chicago, Burlington, and Quincy Railroad, said line also being the east line of property currently owned by the Missouri-American Water Company.

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727 Craig Road, St. Louis, MO 63141

FORM NO. 13

P.S.C MO NO. 9

Original Certificated Area Sheet No. 52

Missouri-American Water Company  
Name of Issuing Corporation

For

Missouri Service Area (City of St. Joseph  
and vicinity)  
Community, Town or City

**Certificated Area as Authorized by Case No. WA-97-46**  
**Legal Description (continued)**

Commencing at the center of Section 19, Township 58 North, Range 35 West, Andrew County, Missouri; thence along the south line of the northwest 1/4 of said section south 89 degrees 55 minutes 45 seconds west, 1156.32 feet; thence north 00 degrees 04 minutes 15 seconds west, 263.97 feet to the Point of Beginning for said line, said point being at the intersection with the north raw waterline; thence south 33 degrees 41 minutes 01 seconds west, 108.80 feet to the eastern right-of-way line of the Chicago, Burlington, and Quincy Railroad; thence south 78 degrees 46 minutes 16 seconds west, 124.65 feet to the western right-of-way line of Chicago, Burlington, and Quincy Railroad, said point also being the east line of property owned by Missouri-American Water Company.

**South Route Raw Waterline:**

Commencing at the north quarter corner of Section 29, Township 58 North, Range 35 West, Buchanan County, Missouri; thence along the east line of the northwest quarter of said section south 00 degrees 02 minutes 14 seconds west, 35.11 feet to the Point of Beginning; thence south 89 degrees 57 minutes 34 seconds west, 2656.14 feet; thence north 67 degrees 53 minutes 23 seconds west, 79.62 feet to the south line of Section 19, Township 58 North, Range 35 West, Andrew County, Missouri; thence continuing north 67 degrees 53 minutes 23 seconds west, 97.44 feet; thence north 75 degrees 10 minutes 47 seconds west, 392.86 feet to the east right-of-way line of Interstate 229; thence continuing north 75 degrees 10 minutes 47 seconds west, 80.14 feet; thence north 70 degrees 09 minutes 44 seconds west, 79.19 feet; thence north 66 degrees 18 minutes 01 seconds west, 73.83 feet; thence north 63 degrees 45 minutes 09 seconds west, 81.56 feet; thence north 56 degrees 41 minutes 14 seconds west, 141.08 feet; thence north 46 degrees 56 minutes 42 seconds west, 245.18 feet; thence north 55 degrees 17 minutes 49 seconds west, 225.01 feet; thence north 78 degrees 13 minutes 15 seconds west, 281.98 feet to the west right-of-way line of Interstate 229; thence continuing north 78 degrees 13 minutes 15 seconds west, 101.21 feet; thence north 55 degrees 43 minutes 15 seconds west, 187.32 feet; thence north 79 degrees 27 minutes 11 seconds west, 68.83 feet; thence north 87 degrees 56 minutes 54 seconds west, 178.68 feet; thence north 79 degrees 39 minutes 29 seconds west, 123.32 feet; thence south 78 degrees 35 minutes 12 seconds west, 253.22 feet; thence north 75 degrees 18 minutes 01 seconds west, 92.37 feet; thence south 65 degrees 10 minutes 24 seconds west, 93.91 feet; thence south 69 degrees 40 minutes 24 seconds west, 80.02 feet; thence south 59 degrees 03 minutes 00 seconds west, 332.96 feet; thence south 50 degrees 40 minutes 57 seconds west, 61.58 feet; thence south 45 degrees 34 minutes 37 seconds west, 122.45 feet; thence south 68 degrees 04 minutes 37 seconds west, 69.25 feet; thence north 89 degrees 25 minutes 52 seconds west, 311.66 feet; thence north 44 degrees 45 minutes 26 seconds west, 25.64 feet; thence north 00 degrees 14 minutes 34 seconds east, 45.07 feet; thence north 11 degrees 00 minutes 26 seconds west, 116.50 feet; thence north 11 degrees 12 minutes 01 seconds west, 765.0 feet, more or less, to the south boundary of property currently owned by Missouri-American Water Company.

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