

**THE 2005 SANGAMON VALLEY PUBLIC WATER DISTRICT  
WATER AND SEWER ORDINANCE**

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Adopted \_\_\_\_\_  
Published \_\_\_\_\_  
Effective \_\_\_\_\_

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This ordinance has been duly published  
under the provisions of 70 ILCS/0.01, Section 3705  
Public Water District Act  
(formerly Chapter 111 2/3 in Public Utilities Illinois Revised Statutes, Section 188) et seq.

OFFICIALS

Of The

**SANGAMON VALLEY PUBLIC WATER DISTRICT**

---

OLEN G. PARKHILL, JR.  
**Chairman**

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Michael C. Melton  
**Vice Chairman**

---

Gene L. Meyers  
Robert Buchanan  
Paul W. Clinebell  
Jay P. Dingee  
David L. Chestnut  
**Trustees**

---

Ivan E. Sherburn  
**General Manager**

---

Traci Nally  
**Attorney**

---

Douglas C. Melton  
Farnsworth and Wylie, P.C, Engineers and Surveyors  
**Engineer**

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David Hood  
Martin, Hood, Friese and Associates  
**Auditor**

**SANGAMON VALLEY PUBLIC WATER DISTRICT  
WATER AND SEWER ORDINANCE 2005**

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**SANGAMON VALLEY PUBLIC WATER DISTRICT  
ORDINANCE NO. \_\_\_\_\_**

AN ORDINANCE establishing and revising rules, rates, procedures, regulations and standards for the operation of the Sangamon Valley Public Water District in Champaign County, Illinois.

BE IT ORDAINED by the Chairman and Board of Trustees of the SANGAMON VALLEY PUBLIC WATER DISTRICT as follows:

This Ordinance shall be known as the 2005 comprehensive amendment to the Sangamon Valley Public Water District Water and Sewer Ordinance and may be cited as the "Amended Water and Sewer Ordinance of 2005."

This Ordinance shall refer only to the commission or omission of acts within the territorial limits of the Sangamon Valley Public Water District now in force or from time to time altered.

## **GENERAL PROVISIONS**

### **1.1 Purpose of Regulations**

### **1.2 Objectives of Regulations**

### **1.3 Administration**

#### **1.1 Purpose of Regulations**

This Ordinance is designed to provide rules and regulations governing the operations of the Sangamon Valley Public Water District, to the extent that such provisions may be applicable. It is further intended to govern areas which may become a part of the District. This Ordinance is intended to promote the public health, safety, comfort and welfare of persons served by the District, and to provide for the orderly growth and harmonious development of the Sangamon Valley Public Water District.

#### **1.2 Objectives of the District**

The Sangamon Valley Public Water District is organized under the provisions of 70 ILCS/0.01, Section 3705 Public Water District Act (formerly Chapter 111 2/3 in Public Utilities Illinois Revised Statutes, Section 188) et seq. It is intended to provide adequate water service, fire protection, water treatment and supply, wastewater collection and wastewater treatment.

#### **1.3 Administration**

##### **A. Board of Trustees**

A Board of Trustees is provided for under 70 ILCS, Section 3705/4 which provides, among other things, that a Board consisting of seven (7) members has complete control and management of the affairs of business of the Public Water District. Trustees shall be selected from among those persons who are patrons of the Sangamon Valley Public Water District who are currently connected to water and/or sanitary sewer interceptors and are paying for said water and/or sanitary sewer services as assessed by the District Treasurer.

Trustees shall be appointed by the Champaign County Board and shall serve for a five (5) year term. The Board may elect to nominate trustees for consideration by the Champaign County Board. Trustees may serve more than one term.

If any trustee shall fall in arrears in payment to the District for the above denoted services for a period in excess of ninety days, notification shall be made by the District Secretary to the appointing authority with a recommendation that the trustee so noted shall be removed from office and a successor be duly appointed.

The Board shall select a Chairman from among the trustees whose duty it shall be to conduct and prepare agenda for the monthly meetings. The Chairman shall serve as executive administrator of the District. He shall represent the District as deemed appropriate. The

Chairman shall represent and serve as Liaison between the District and other public agencies. The Chairman shall administer the business of the users, and fulfill the mission of the District as directed by the Board. The Chairman shall be compensated a maximum rate of \$2,400.00 per year. A Vice-Chairman shall also be selected to conduct said monthly board meetings when the Chairman is not present. The Board shall appoint annually a Secretary and Treasurer from either the Board or the Staff of the District.

Trustees shall be compensated a maximum rate of \$2,400.00 per year. Under the District's Deferred Compensation Plan for Trustees, a trustee may elect, in writing, to defer up to a maximum of 25% of his/her compensation for services as a trustee.

## **B. General Manager and Operators**

The District shall employ a full-time General Manager to administer the day to day business of the District. The Board of Trustees shall establish the rate of compensation and benefits paid to the General Manager.

The General Manager shall have the following areas of responsibility and conditions of employment.

1. To provide centralization of responsibility for insuring the execution of the Sangamon Valley Public Water District mission of service to the public.
2. To relieve the Board of Trustees of supervisory administration and operational details and permit it to more effectively concentrate its efforts on matters of District policy.
3. Such duties shall be performed by General Manager as a full-time employee.

General Manager shall devote his full time and effort to the duties to be performed by him for District and shall not, unless the same is agreed to in writing by the Board, be directly or indirectly involved in any type of business. This section shall not prohibit the General Manager from being a non-working investor in any type of business.

4. To supervise and administer all functions and operations of the District in accordance with the laws of the State of Illinois and the policies of the Board of Trustees and to act as general agent of the Board in carrying out the public service mission of the District.
5. To sign checks and fiscal documents prepared by the Treasurer, Secretary, and other District officials.
6. To employ, supervise, discharge, and make recommendations for compensation of any and all District employees and to establish the duties and conditions of employment for said employees.
7. To prepare the budget for approval by the Board of Trustees and insure the solvent fiscal operation of the District.

8. To incur District obligation as required by necessity without prior Board of Trustees approval not to exceed \$5,000.00 for any transaction except for emergency operation situations and expenditures prospectively approved as included in line items of the District budget authorized by the Board of Trustees.
9. To exercise custodianship of negotiable instruments, stocks, bond contracts, and similar documents owned by the District.
10. To establish and disestablish accounts with financial institutions as deemed necessary.
11. To negotiate user contracts with prospective customers of the District.
12. To negotiate loans, grants, permits, and related matters with the appropriate local, state and federal governments or governmental agencies.
13. To negotiate with other professional groups such as engineers and surveyors for professional service contracts.
14. To negotiate with general and subcontractors for the performance of work to be done for the District.
15. To direct 50% of his time and effort to administrative duties of the District and to direct 50% of his time and effort to hands-on operational and maintenance work.
16. To expeditiously pursue with the state and/or educational institutions a certificate or certificates wherein he is recognized as an authorized sewer and water operator. The General Manager shall attend any and all classes and take any and all courses which he feels are necessary to accomplish same.
17. To keep the Board of Trustees fully and completely advised of his acts and dealings at all times.
18. To move to a place of personal residence within the territory of the District within one (1) year from the date of employment; or provided, however, for good cause shown, such time may on mutual written agreement of the parties be extended from time to time.
19. To perform and exercise such other powers and duties as may be conferred upon him by resolution of the Board of Trustees of this District.

**C. Records and Accounts**

1. The District Treasurer shall establish a proper system of accounts and shall keep proper books, records, and accounts in which complete and correct entries shall be made of all transactions relative to the water and wastewater systems. At regular annual intervals he shall cause an audit to be made by an independent auditing concern of the books to show the receipts and disbursements of the water and waste water systems.
2. The State Environmental Protection Agency or its authorized representative shall have access to any books, audit reports, documents, papers, and records of the District which are applicable to the District system of user charges or industrial cost recovery for the purpose of making any audit, examination, excerpt, and transcription thereof to insure compliance with the terms of the special and general conditions to any state grant.

**D. Annual Audit Report**

In addition to the customary operating statements, the annual audit report no later than 60days after close of the fiscal year shall also reflect the revenues and operating expenses of the water and wastewater facilities.

The financial information to be shown in the audit report shall include the following:

1. Flow data showing total gallons received at the wastewater plant for the current fiscal year.
2. Flow data showing total gallons pumped from the water treatment plant. Total gallons and purpose of any water not delivered to meters. Billing data to show total number of gallons billed.
3. Debt service for the next succeeding fiscal year.
4. Number and classification of users connected to the system.
5. Number and classification of non-metered users.
6. A list of users discharging non-domestic wastes (industrial users) and volume of waste discharged.

**E. Copy of Regulations, Claims**

A copy of these regulations properly certified by the Secretary, shall be filed in the office of the County Recorder of Deeds and shall be deemed notice to all owners of real estate of their liability for service supplied to any users of the service of the water and wastewater system of the District on their properties. It shall be the duty of the Secretary and the Board of Trustees to take all action necessary or required by the laws of the state to file all claims for money due to the District and to prosecute and enforce these claims in the manner, form, and time permitted by the laws of the state.

## **RATES, CHARGES AND BILL PAYMENT**

### **2.1 Rates**

### **2.2 Residential Users**

### **2.3 Multifamily Users**

### **2.4 Water Used by District**

### **2.5 Metered Service Unless Otherwise Approved**

### **2.6 Inoperable Meters**

### **2.7 Payment Procedure**

### **2.8 Notice of Non-payment**

### **2.9 Delinquent Bills**

### **2.10 Changes in Occupancy**

### **2.11 Free Service**

### **2.1 Rates**

#### **A. Water Rates - Residential Users/Commercial**

Quantity/Month

Each Residential User shall be charged the following each month:

First 2,000 gallons - \$6.30

All consumption thereafter is \$3.15 per thousand gallons. The minimum amount shall be 2,000 gallons per month on a single meter.

#### **B. Water Rates - Multifamily Users/Commercial**

Quantity/Month

Each Multifamily/Commercial User shall be charged the following each month:

First 2,000 gallons - \$4.74

All consumption thereafter is \$2.37 per thousand gallons. The minimum amount shall be 20,000 gallons per month on a single meter.

**C. Wastewater Users - All Users**

Quantity/Month

Each User shall be charged the following each month as metered by water service:

First 2,000 gallons - \$6.30

Facilities Charge - \$.25/1000 Gallons of metered water usage.

All consumption thereafter is \$3.15 per thousand gallons. The minimum amount shall be 2,000 gallons based on monthly, metered water usage.

**D. Other Charges and Fees**

The owner or builder of each new residential dwelling or commercial building upon application for a permit to tap-on to the water distribution system or the sanitary sewerage collection systems of the District shall, as part of the permit process, be required to pay a \$72.00 P.E. Fee (Population Equivalent) This fee is based on the PE rating of the particular building, business or residence constructed.

The P.E Fees for the District will be as follows:\*

	<u>P.E. Rating</u>	<u>Fee</u>
Apartment - Single or Studio/ Condominium .....	1.0	\$ 72.00/Unit
Apartment - 1 Bedroom/Condominium.....	1.5	108.00/Unit
Apartment - 2 Bedroom/Condominium .....	3.0	216.00/Unit
Apartment – 3 Bedroom/Condominium .....	3.0	216.00/Unit
Single Family Dwelling up to 3 Bdrms .....	3.5	252.00
Single Family Dwelling – 4 Bdrms or more.....	4.0	288.00
Commercial Buildings will have P.E. Fee determined at the time of construction based on the type of building and the type of business.		

\* The P.E. rating is determined by the Environmental Protection Agency and is used by them to determine the capacity and rating of sanitary waste collection systems and treatment works.

**2.2 Residential Users**

Residential users, (residential owners and/or his authorized agent and renters, including but not limited to mobile home owners and renters, apartment owners and renters), are those metered structures or buildings which are used for residential purpose by a single family only. Commercial users using less than 20,000 gallons per month shall be considered for rate purposes as residential users.

All occupants/users occupying rental property must have the application co-signed by the owner of the residence.

### **2.3 Multi-family Users**

Mobile home parks, multifamily housing units, and apartments are those metered structures or buildings which are used for residential purposes by more than one family. This classification of user shall be served by one water meter and shall use a minimum of 20,000 gallons per month. If less than 20,000 gallons is used in a multi-family dwelling, then separate meters for each unit shall be required.

### **2.4 Water Used by District**

All water used by the District exclusive of water from fire hydrants shall be metered. This includes water used in conjunction with operations at the water plant itself.

### **2.5 Metered Service Unless Otherwise Approved:**

Service for water and/or sewer shall be by meter only, unless otherwise determined by user, subject to the approval of the Board of Trustees of the District. All meters must be sealed by District personnel.

### **2.6 Inoperable Meters**

If a meter fails to provide the correct amount of consumption, then the user, upon notice by the District, shall have cause to make repairs or replacement of said meter. Initially, the District will estimate the consumption based upon the previous month's consumption. For each billing period after the notice, 1,000 gallons will be added to the estimated consumption until such time as the meter is operable.

### **2.7 Payment Procedure**

**Due Date:** For those meters which are read by the District on or about the 20th day of each month, bills will be mailed on the last day of each month, the same being due and payable on the 20th of the following month; for those meters which are read by the District on or about the 1st day of each month, bills will be mailed on the 10th day of each month, being due and payable on the 30th day of the month in which the bill was sent. If weather conditions or other circumstances prevent the reading of meters, then each water bill will be estimated by the District based on the average of the previous months' usage. Bills will be paid to the Treasurer of the District or his designated representative. Bills may be paid at the office of the District, located at 709 North Prairieview Road, Mahomet, Illinois or paid at other locations as designated by the Board of Trustees. Payment may also be mailed to: P. O. Box 285, Mahomet, Illinois 61853.

Receipt of good payment by the District shall be the determination of the delinquent period.

## **2.8 Notice of Non-payment**

There will be a twenty percent (20%) penalty added to each bill that is unpaid by the due date. If any bills remain unpaid an additional 15 days, the water supply to the property affected will be shut off by the District after proper notification to the user. (For purposes of definition, "proper notification" shall be deemed to mean any conventional means of written communication). This constitutes a period of 45 days from the date the bill was originally mailed. Service will not be restored until the delinquency and the penalty is paid in full. Payment of a \$25.00 re-connection fee will be necessary to restore water service.

## **2.9 Delinquent Accounts**

*Whenever the District undertakes the collection of delinquent water and wastewater usage bills or any other delinquent charges billed to the user or property owner, the District is entitled to recover its costs of collection, including reasonable attorney's fees and expenses, court costs and any other expenses related to the collection process, and regardless of whether or not litigation was initiated for purposes of collection. The above expenses may also become lien on the real estate to which the delinquency relates, upon proper notification. (Proper notification shall be as defined in paragraph 2.8 above).*

## **2.10 Changes in Occupancy**

There shall be no charge for transferring the water service or sewer service to a subsequent user. Any user requesting a termination of service shall give written notice to the District ten (10) days prior to the time the termination of service is desired. The meter shall be read by the District and the user will be billed. Responsibility for payment for water consumed prior to the date of termination shall be with the property owners as well as renter and/or users.

## **2.11 Free Service**

No free services of the combined water and wastewater system of the District shall be furnished to any person, firm, organization, or corporation, public or private. Every user of the District water and wastewater system of the District shall have a metered water connection to the system. The General Manager shall receive water and sewer service at no cost. The meter shall be read and the amount accounted for in the District's records.

## **2.12 Temporary Residential Absences**

Those customers who vacate the principal residence for a minimum of three (3) months will, upon proper written application, be billed at a rate equal to 50% of the current minimum rate per month during the absence. Notification must be made to the District Office at least 30 days prior to vacating the residence.

## **WATER REGULATIONS**

### **3.1 Definitions**

### **3.2 Management and Control of Water System**

### **3.3 Refusal of Service**

### **3.4 Liability**

### **3.5 Use of Water on User's Premises**

### **3.6 Specified Uses of Water**

### **3.7 Damage to District Property and Unlawful Interference with Utility Service**

### **3.8 Application for Service**

### **3.9 Initial Charges and Permit**

### **3.10 Use of Public Water Supply Required**

### **3.11 District's Responsibility and Liability**

### **3.12 User Responsibility**

### **3.13 Water for Lawn Sprinkling**

### **3.14 Cross-Connection Control Requirements**

### **3.15 Minimum and Maximum Setback Requirements**

### **3.16 Water Use Restrictions**

### **3.1 Definitions**

District - The word "District", whenever the same appears herein, means Sangamon Valley Public Water District.

User - The word "User", whenever the same appears herein, means the person or party having sole interest in any premises which is, or is about to be, supplied with water service and/or wastewater service by the District, and the word "Owner(s)" means all so interested. A contract purchaser shall not be deemed the owner of a premises.

Main - The word "main", whenever the same appears herein, means the supply pipe, located in the public highway and/or easement, and owned and maintained by the District, to which water service connections are attached to supply water service to a premises.

Meter - The word "meter", whenever the same appears herein, means a mechanical device which measures and registers the quantity of water supplied to a customer. The meter shall be installed, owned, maintained and repaired by the user.

Water Service Connection - means a pipe, with appurtenances, used to conduct water from the main to the premises to be served. The connection, pipe and all appurtenances required as part of this installation shall be installed and maintained by the user.

### **3.2 Management and Control of Water System**

The Sangamon Valley Public Water District, hereinafter referred to as the District, shall have the supervision, management, control, maintenance, enlargement, and operation of the water works system; all matters and things connected with the operation, maintenance, and extension of the water works system, and the selling of water there from and preserving the property belonging thereto, subject to the Board of Trustees of the District.

### **3.3 Refusal of Service**

The District may, at any time, refuse additional service(s) to any applicant if, in the judgement of the Board of Trustees, the capacity of the system will not permit such use or after a public hearing wherein the applicant may present his position to the Board, in the judgement of the Board of Trustees such refusal shall be deemed to be in the best interest of the customers of the District.

### **3.4 Liability**

All water services supplied by the District shall be upon the express condition that the District shall not be liable nor shall any claim be made against it for damages or injury caused by reason of shutting off of water for repair, relocation, or expansion of any part of the system, or failure of any part of the system or for concentration of water for such purposes as fire-fighting or restricted use of water.

### **3.5 Use of Water on User's Premises**

The District shall reserve the right to use the water from the user's facilities at any time deemed necessary. Such water usage could include but not be limited to any usage necessary for the repair or maintenance of the District system. No charge shall be made by the user for the use of his facilities and no charge shall be made by the District for the water used by the District.

### **3.6 Specified Uses of Water**

Water purchased from the District may be used for ordinary domestic, industrial, or farm use upon the premises of the user provided:

- A. No user shall resell or permit the resale of water purchased from the District.
- B. If more than one family is located upon the premises, then the user shall make application for each family and a separate cut-off valve, meter, and service line shall be installed for each family unit, except that a trailer park, duplex, apartment house or other multi-unit user may be served through one meter and the bill shall be computed on a volume basis.

### **3.7 Damage to District Property and Unlawful Interference with Utility Service**

Unlawful interference with utility services: A person commits the offense of violating this ordinance when he knowingly, without the consent of the District, impairs or interrupts any water supply or diverts, or causes to be diverted in whole or in part, any water supply, or installs or removes any device for the purpose of such diversion or in any way impairs or attempts to alter meters or meter reading devices.

The penalty for a person who tampers, damages, adjusts, or in any manner interferes with the components or operation of the system, shall be \$100.00, payable to the District. In addition to the penalty, the user responsible shall reimburse the District for the cost of repairing damage resulting for the user's act. Each day of violation shall be a continuing offense.

Users shall report any known evidence of tampering, adjusting, damaging, or interference with operation of the system, owned by the District, to the General Manager or his representative. Any malicious act or damage to the system that is not appropriately punishable by the foregoing shall be prosecuted through a court of law.

### **3.8 Application for Service**

Water supply shall be furnished only to District users upon filing of an application and water users agreement (where required) with the General Manager of the District upon a form to be supplied by the District. The contract thus formed between the District and the user shall be deemed a covenant running with the land which shall be binding on subsequent owners, grantees, assignees, and successors, with the same force and effect as exists between the original parties thereto.

### **3.9 Initial Charges and Permit**

The following procedure shall be followed when a customer, builder, or developer desires to tap-in to a main water servicing line:

#### **A. Water Service**

1. Prior to service installation, a tap-on permit shall be acquired from the District office; said permit shall be accompanied by a \$25.00 inspection fee and a deposit of \$200.00 (said deposit to be returned without interest, upon final inspection of the completed installation). If any assessment for water service is due, it shall also be paid at this time.

2. Tap-on shall be accomplished only in the presence of/or by a Sangamon Valley Public Water District operator.
3. Any tap-on in violation of the above procedure shall entail a \$500.00 penalty to be paid by the violator before service is restored.
4. Security Deposits
  - a. A \$50.00 deposit shall be made by residential renters to guarantee payment of water and/or wastewater bills. The deposit shall be returned to user without interest upon termination of water and/or wastewater service and all accounts of that user being paid.
  - b. In the event that water and/or wastewater service is disconnected for non-payment of bills or any other violation of District ordinances, rules or regulations; the District may require payment of a security deposit equal to the average of the previous three (3) months normal water and/or wastewater usage in addition to any required re-connection fees before service will be restored. Said deposit shall be returned to the user as described in paragraph a. above.

**B. Plan**

1. A sketch or plan shall be provided by the user showing the location of the tap, shut-off valve and location of the service line. A list of approved materials shall also be provided.
2. Upon completion of construction, corrected "as built" drawings shall be furnished to the District. Measurements showing "ties" from the shut-off valve to permanent topographic features should be shown.

**3.10 Use of Public Water Supply Required**

The owner of all houses, buildings, or properties used for human occupancy, employment, recreation, or other purposes, situated within the District and abutting any street, alley, or right-of-way in which there is now located a public water main of the District, is hereby required at his expense to connect such facilities directly with the proper public water main in accordance with the provisions of this Ordinance, within ninety (90) days after date of official notice to do so, provided that said public water main is within one hundred (100) feet (30.5 meters) of the property line.

At such time as a public water main becomes available to a property served by a private water system, a direct connection shall be made to the public water system in compliance with this Ordinance. Any wells or other private sources of water supply shall be disconnected from domestic use within the residence. On-site wells may be retained for purposes other than domestic use. If abandonment is necessary due to non-use, (*For purposes of this ordinance, Non-use shall be defined as no use for a period of 1 year or more*) such abandonment shall be inspected and approved by the appropriate state or local officials.

### **3.11 District's Responsibility and Liability**

Ownership, Installation, and Maintenance: The District shall install, own, inspect, operate, and maintain the complete water system, water mains (exclusive of water meters, service lines, and shut-off valves).

The District may at any time refuse additional service(s) to any applicant if in the judgement of the Board of Trustees, the capacity of the system will not permit such use or the service is not economically feasible.

The District reserves the right to perform or require repair service to the user's equipment on a timely basis; the cost of said repairs shall be borne by the user. All such repairs shall be subject to final inspection by District personnel upon completion.

The District shall make available a temporary water meter which may be connected to a fire hydrant to provide short term service.

### **3.12 User Responsibility**

The user shall furnish, install, and maintain water meters, service lines, and such valves, saddles, junctions, and/or other control devices as may be required for connection to the District's water mains. The materials used in any water installation or repair shall be only as specified herein. The installation of the water tap, service lines, valves and meter shall be as per the Standard Drawing included in the Appendix.

The user shall be responsible for installation and maintenance of service lines between the District's water main and the residence or business. Such services must be at least 1" in diameter, and must be installed at a minimum depth of 4 feet. Service lines must have a minimum working pressure rate of 200 psi at 73.4 degrees F and must be constructed of following type of material: SDR - 9, Copper Tube Size polyethylene water pipe (ASTM D2737). The District reserves the right to require an increased water service line size or improvements to the existing service line in order to adequately service proposed water usage systems within residential or business properties. Examples include but are not limited to: Homes with more than 4 bedrooms, or more than 3 Bathrooms, or a fire suppression system and/ or an outside irrigation system. Lines larger than two inches shall be PVC, SDR - 21 (ASTM B2241) conforming to water main line specifications as described in Section 6.2 of this document. Service lines must not be covered until they are inspected and approved by a duly authorized District representative. The user will not connect any service line or any plumbing connected with the service line to any other water source. The service line must meet all requirements of the State Environmental Protection Agency and the State of Illinois Plumbing Code.

Horizontal and Vertical separation for water and sewer service lines shall meet the following requirements:

Water service lines shall be located at least ten feet horizontally from any existing or proposed drain, storm sewer, sanitary sewer, or sewer service line. Placement of water service lines and sanitary sewer service lines within the same trench is not permitted.

If conditions prevent a lateral separation of ten feet or if the vertical separation is less than eighteen inches between the water service and the sanitary sewer service, (either above or below each other), the sewer shall be constructed of water main quality materials. I.E., slip-on or mechanical, cast or ductile iron joint pipe, or PVC pipe equivalent to water main standards of construction.

The protection of water main and water service from sanitary sewers, storm sewers, combined sewers, house service connections and drains shall meet the conditions set forth in Section 41 - 2.01 of the Standard Specifications for Water and Sewer Construction in Illinois.

The location of the meter, and such other control devices as may be required for said installation shall be determined by General Manager. The user will provide, at his expense, a clean, dry, safe place, not subject to a great variation in temperature so that the meter will be properly protected from freezing and other hazards, so located as to control the entire supply and as to be easily accessible for installation, maintenance, reading, and disconnection. No master water meter installation will be permitted in a residential "crawl space". In addition to required water meter, the user shall install a remote meter reader at a convenient location on the outside of the user's residence so as to facilitate convenient reading by the District. Both the meter and remote reader shall be as specified by the District. Meters and other materials specified as part of this type of installation are available for purchase at the District office. The meter installation shall comply with all applicable local and state building and/or plumbing codes.

Water service may not be turned on to the user's residence until a final inspection of the installation is completed and the water meter and remote reader is properly installed and sealed.

The user shall give such easements and rights-of-way as necessary to the District and allow access for the purposes of construction, repair, maintenance, meter reading, relocation, or expansion of the water system. The necessity shall be determined by the Board of Trustees.

### **3.13 Water for Special Uses (Lawn Sprinkling)**

Whenever a user wishes to install a separate water meter to record consumption of water for lawn sprinkling, or related outside usage, they shall make application to the District as per the requirements for a new service. Water used for outside purposes only, shall be billed as water consumption only, and shall be exempt from the wastewater service charge. This second meter will be billed for water used only. No minimum charge for zero usage (during winter months). The meter shall be installed by the user at his expense and approved by the General Manager. Meter requirements shall be the same as in Section 3.12. Arrangements may be made with the District Office for use of special metered hose bibs for filling swimming pools and similar uses.

### **3.14 Cross-Connection Control Requirements**

If, in accordance with the Illinois Plumbing Code or in the judgement of the General Manager, an approved back-flow prevention device is necessary for the safety of the public water supply system, the General Manager will give notice to the water customer to install such an approved device

immediately. The water customer shall, at his own expense, install such an approved device at a location and in a manner in accordance with the Illinois Plumbing Code and all applicable local regulations, and shall have inspections and tests made of the approved devices as required by the Illinois Plumbing Code and local regulations.

No person, firm, or corporation shall establish or permit to be established, or maintain or permit to be maintained, any connection whereby a private, auxiliary, or emergency water supply other than the regular public water supply of the District may enter the supply or distribution system of the District, unless that private, auxiliary, or emergency water supply and the method of connection and use of the supply shall have been approved by the General Manager and the Illinois Environmental Protection Agency.

It shall be the duty of the General Manager to cause surveys and investigations to be made of industrial and other properties served by the District to determine whether actual or potential hazard to the public water supply may exist. These surveys and investigations shall be made a matter of public record, and shall be repeated at least every two years, or as often as the General Manager shall deem necessary. Records of the surveys shall be maintained and available for review for a period of at least five years.

The approved cross-connection control device inspector shall have the right to enter at any reasonable time any property served by a connection to the District for the purpose of verifying the presence or absence of cross-connections. The General Manager or his authorized agent shall have the right to enter at any reasonable time any property served by a connection to the District for the purpose of verifying information submitted by the customer regarding the required cross-connection control inspection. On demand, the owner, lessees, or occupants of any property so served shall furnish to the General Manager any information which he may request regarding the piping system or systems or water use on the property.

The refusal of such information, when demanded, shall, within the discretion of the General Manager, be deemed evidence of the presence of improper connections as provided in this section.

The General Manager is authorized and directed to discontinue, after reasonable notice to the occupant thereof, the water service to any property wherein any connection in violation of the provisions of this section is known to exist, and to take such other precautionary measures as he may deem necessary to eliminate any danger of contamination of the District water supply distribution mains. Water service to that property shall not be restored until those conditions have been eliminated or corrected in compliance with the provisions of this section.

The user responsible for back-siphoned material or contamination through back-flow, if contamination of the potable water supply system occurs through an illegal cross-connection or an improperly installed, maintained, or repaired device, or a device which has been by-passed, must bear the cost of clean-up of the potable District Water Supply System.

### **3.15 Minimum and Maximum Setback Zone Requirements.**

Except as provided for by the Illinois Groundwater Protection Act 415 ILCS 55/i, et. seq (1992 State Bar Edition), (formerly Ill.Rev.Stat.1991, ch. 111 1/2, Para. 7451), within this section hereinafter

referred to as the "Act", no person shall place a new potential primary pollution source, new potential secondary pollution source, or new potential pollution route within the minimum setback zone of 1,000 feet of any water production well site currently operated by the Sangamon Valley Public Water District.

Except as provided for by the act, no person shall place a new potential primary source of pollution with the maximum setback zone of 4,000 feet of any water production well site currently operated by the Sangamon Valley Public Water District.

For purposes of definition, a pollution source or route is as defined in the Act, the text of which is incorporated in this policy by reference.

### **3.16 Water Use Restrictions**

A. The General Manager of the District may, after receiving the approval of the Board of Trustees, place restrictions on water usage by the customers of the District in any of the following situations in which it appears that unlimited usage of water could be greater than the ability of the system to provide such water or there would be a situation which would adversely effect the health or safety of the customers:

1. The water storage tower is not in use because of necessary repairs or is being painted.
2. Any source water production well is out of service for repair or other reason.
3. For whatever the reason, the water system is unable to maintain a pressure of 45 pounds per square inch in the system as measured at the water treatment plant on Prairieview Rd.
4. In the event of a major water main break or breaks or other system malfunctions which would affect the ability of the system to deliver water in compliance with state and/or federal regulations.
5. In the event of a major natural or manmade disaster which would affect the ability of the system to deliver water in compliance with state and/or federal regulations.

B. In the event any one or more of the above conditions exists, the General Manager of the District with the approval of the Board of Trustees may impose restrictions on the use of water within the District. Depending on the severity of the situation, weather conditions and anticipated length of time that such condition may continue to exist, the General Manager may adopt the restrictions of any of the following levels and may change the restriction level to a higher or lower level as conditions change.

**Level 1:** Water shall not be used from the water system for the watering of yards, gardens, shrubs, trees or/and other open spaces. Water from the system shall not be used for the initial filling of swimming pools or for the washing of houses or other buildings or for the washing of automobiles, trucks, motor homes and recreational vehicles or any other vehicles by private individuals not at a commercial car washing establishment.

**Level 2:** In addition to the restrictions in Level 1, water shall not be used for replacing water in a previously filled swimming pools, and commercial car wash operations shall cease.

**Level 3:** In addition to the restrictions in Level 1 and Level 2, the General Manager shall have the authority to establish hours of water usage and the rationing of the amount of water used. Such hours and the level of rationing may be varied according to the type of water usage and the amount of water necessary for such usage.

**Level 4:** In addition to the restrictions in Levels 1,2,and 3 above, water may be used only for human consumption and hygiene and all other uses of water shall cease.

- C. In the event that any person, partnership, association, corporation, business or any other entity shall violate any of the restrictions in paragraph B above, which are in effect at any time, such violator shall be given a verbal warning to cease the specific violation and be informed of the restrictions then in effect. After such warning has been given, if the violation of any restrictions then in effect, continues, such violation shall be subject to a fine of \$100.00. Such fine shall continue to be levied at the rate of \$100.00 per day until such time as the violation ceases or the restriction is lifted which ever is longer. In the case of severe or chronic and or continuing violations, the General Manager shall have the authority to terminate the water service of violator.

If the fines levied as a result of a violation of this section are not paid within 30 days of notification of said fine, the fine will be added to the regular monthly water bill of the customer and will be subject to the regular collection procedures outlined in Section 2 of this ordinance.

## **WASTEWATER REGULATIONS**

### **4.1 Definitions**

### **4.2 Management and Control of Wastewater System**

### **4.3 Refusal of Service**

### **4.4 Application for Service**

### **4.5 Initial Charges and Permit**

### **4.6 Use of Public Sewers Required**

### **4.7 District's Responsibility and Liability**

### **4.8 User's Responsibility**

### **4.9 Discharges into Public Sewers**

#### **4.1 Definitions**

"BOD" (denoting Biochemical Oxygen Demand) shall mean the quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedure in five (5) days at 20 degrees C, expressed in milligrams per liter.

"Building Drain" shall mean that part of the lowest horizontal piping of a drainage system which receives discharge from soil, waste, and other drainage pipes inside the walls of the building and conveys it to the building sewer, beginning five (5) feet (1.5 meters) outside the inner face of the building wall.

"Building Sewer" shall mean the extension from the building drain to the public sewer or other place of disposal.

"Combined Sewer" shall mean a sewer which is designed and intended to receive wastewater, storm, surface and groundwater drainage. (*Sewers of this type shall not be permitted within the District*).

"Control Manhole" shall mean a structure located on a site from which industrial wastes are discharged.

Where feasible, the manhole shall have an interior drop. The purpose of a "control manhole" is to provide access for the District representative to sample and/or measure discharges.

"District" means the Sangamon Valley Public Water District.

"Easement" shall mean an acquired legal right for the specific use of land owned by others.

"Effluent Criteria" are defined in any applicable "NPDES Permit".

"Floatable Oil" is oil, fat, or grease in a physical state such that it will separate by gravity from wastewater by treatment in an approved pre-treatment facility. Wastewater shall be considered free of floatable fat if it is properly pre-treated and the wastewater does not interfere with the collection system.

"Garbage" shall mean solid wastes from the domestic and commercial preparation, cooking, and dispensing of food, and from the handling, storage, and sale of produce.

"General Manager" shall mean the General Manager of the District or his authorized deputy, agent, or representative.

"Industrial Waste" shall mean any solid, liquid, or gaseous substance discharged, permitted to flow or escaping from any industrial, manufacturing, commercial or business establishment or process from the development, recovery, or processing of any natural resource as distinct from sanitary sewage.

"Natural Outlet" shall mean any outlet into a water-course, pond, ditch, lake, or other body of surface or groundwater.

"Person" shall mean any individual, firm, company, association, society, corporation, or group.

"pH" shall mean the logarithm (base 10) of the reciprocal of the hydrogen-ion concentration expressed by one of the procedures outlined in "Standard Methods".

"Population Equivalent" is a term used to evaluate the impact of industrial or other waste on a treatment works or stream. One population equivalent is 100 gallons of sewage per day, containing 0.17 pounds of BOD and 0.22 pounds of suspended solids.

"Pre-treatment" shall mean the treatment of wastewater from sources before introduction into the wastewater treatment works.

"Properly Shredded Garbage" shall mean the wastes from the preparation, cooking, and dispensing of food that have been shredded to such a degree that all particles will be carried freely under the flow conditions normally prevailing in public sewers, with no particle greater than one-half (1/2) inch (1.27 centimeters) in any dimension.

"Public Sewer" shall mean a sewer in which all owners of abutting properties have equal rights, and is controlled by the District.

"Sanitary Sewer" shall mean a sewer that conveys sewage or industrial wastes or a combination of both, and into which storm, surface, and ground waters or unpolluted industrial wastes are not intentionally admitted.

"Sewage" is used interchangeably with "wastewater".

"Sewer" shall mean a pipe or conduit for conveying sewage or any other waste liquids, including storm, surface, and groundwater drainage.

"Slug" shall mean any discharge of water, sewage, or industrial waste which in concentration of any given constituent or in quantity of flow exceeds for any period of duration longer than fifteen (15) minutes more than five (5) times the average twenty-four (24) hour concentration of flows during normal operation.

"Storm Water Runoff" shall mean that portion of the precipitation that is drained into the sewers.

"Storm Sewer" shall mean a sewer that carries storm, surface, and ground water drainage but excludes sewage and industrial wastes other than unpolluted cooling water.

"Suspended Solids" shall mean solids that either float on the surface of, or are in suspension in water, sewage, or industrial waste, and which are removable by a laboratory filtration device. Quantitative determination of suspended solids shall be made in accordance with procedures set forth in "Standard Methods".

"Wastewater" shall mean the spent water of a community. From this standpoint, of course, it may be a combination of the liquid and water-carried wastes from residences, commercial buildings, industrial plants, and institutions, together with any groundwater, surface water, and storm water that may be present.

"Wastewater Facilities" shall mean the structures, equipment, and processes required to collect, carry away, and treat domestic and industrial wastes and transport effluent to a water course.

"Wastewater Treatment Works" shall mean an arrangement of devices and structures for treating wastewater, industrial wastes, and sludge. Sometimes used as synonymous with "waste treatment plant" or "pollution control plant".

"Water Course" shall mean a channel in which a flow of water occurs, either continuously or intermittently.

"Water Quality Standards" are defined in the Water Pollution Regulations of Illinois.

#### **4.2 Management and Control of Wastewater System**

The Sangamon Valley Public Water District, hereinafter referred to as the District, shall have the supervision, management, and control of the maintenance, enlargement, and operation of the wastewater system subject to the Board of Trustees of the District; all matters and things connected with the operation, maintenance, and extension of the wastewater system; and the treatment of wastewater from within the District.

### **4.3 Refusal of Service**

The District may, at any time, refuse service(s) to any applicant if, in the judgement of the Board of Trustees, the capacity of the system will not permit such use or after a public hearing wherein the applicant may present his position to the Board, in the judgement of the Board of Trustees, such refusal is in the best interests of the customers of the District.

### **4.4 Application for Service**

Wastewater service shall be furnished only to the District users upon filing of an application and wastewater users agreement with the General Manager of the District upon a form to be supplied by the District. (May be combined with water service application) The contract thus formed between the District and the user shall be deemed a covenant running with the land which shall be binding on subsequent owners, grantees, assignees, and successors, with the same force and effect as exists between the original parties thereto.

### **4.5 Initial Charges and Permit**

- A. Wastewater Service - No unauthorized person shall uncover, make any connections with or opening into, use, alter, or disturb any public sewer or appurtenance thereof without first obtaining a written permit from the General Manager. There shall be two (2) classes of permits: (1) for residential and commercial service, and (2) for service to establishments producing industrial wastes. In either case, the owner or his agent shall make application on a special form furnished by the District.

The following procedure shall be followed when a customer, builder, or developer desires to tap-on to a main servicing line:

1. Prior to service installation, a tap-on permit shall be acquired from the District office; said permit shall be accompanied by a \$25.00 inspection fee. If any assessment for sewer service is due, it shall also be paid at this time. Taps to the public sewer shall be made using only materials as specified herein, and as per standard drawings in the Appendix.
2. The actual tap-on shall be accomplished only in the presence of a Sangamon Valley Public Water District operator.
3. Any tap-on in violation of the above procedure shall entail a \$500.00 penalty to be paid by the violator before service is restored.
4. Security Deposits
  - a.. A \$50.00 deposit shall be made by residential renters to guarantee payment of water and/or wastewater bills. The deposit shall be returned to user without interest upon termination of water/wastewater service and all accounts of that user being paid.

b. In the event that water and/or wastewater service to any customer of the District is disconnected for non- payment of bills or any other violation of District ordinances, rules or regulations, the District may require payment of a security deposit equal to the average of the previous three (3) months normal water and/or wastewater usage in addition to any required re-connection fees before service will be restored. Said deposit shall be returned to the user as described in paragraph a. above.

**B. Plan** - A sketch or plan shall be provided by the user detailing the location of the tap, slope, elevations, and location of the building sewer line. A list of the type of approved materials shall also be provided. Upon completion of construction, corrected "As Built" drawings shall be furnished to the District.

#### **4.6 Use of Public Sewers Required**

It shall be unlawful for any person to place, deposit, or permit to be deposited in any unsanitary manner on public or private property located in an area receiving sanitary sewer service from said District, any human or animal excrement, garbage, or other objectionable waste.

In areas where sanitary sewer service is provided by the District, it shall be unlawful to discharge to any natural outlet under the jurisdiction of said District, any sewage or other polluted waters, except where suitable treatment has been provided in accordance with subsequent provisions of this Ordinance.

Except as hereinafter provided, it shall be unlawful to construct or maintain in areas where sanitary sewer service is available any privy, privy vault, septic tank, cesspool, or other facility intended or used for the disposal of wastewater.

The owner of all houses, buildings, or properties used for human occupancy, employment, recreation, or other purposes, situated within the District and abutting any street, alley, or right-of-way in which there is now located a public sanitary or combined sewer of the District, is hereby required at his expense to install suitable toilet facilities therein, and to connect to same in accordance with provisions of this Ordinance, within ninety (90) days after date of official notice to do so, provided that said public sewer is within one hundred (100) feet (30.5 meters) of the property line.

At such time as a public sewer becomes available to a property served by a private sewage disposal system, a direct connection shall be made to the public sewer in compliance with this Ordinance. Any septic tanks, cesspools, and similar private sewage disposal facilities shall be properly abandoned. Such abandonment shall be inspected and approved by the appropriate state or local officials.

No statement contained in this article shall be construed to interfere with any additional requirements that may be imposed by the Health Officer of Champaign County or any other regulatory agency.

#### **4.7 District's Responsibility and Liability**

The District shall install, own, inspect, operate, and maintain the complete wastewater system, sewers, manholes, pump stations, and wastewater treatment facilities.

A building sewer permit will only be issued and a sewer connection shall only be allowed if it can be demonstrated that the downstream sewerage facilities, including sewers, pump stations, and wastewater treatment facilities, have sufficient reserve capacity to adequately and efficiently handle the additional anticipated waste load.

#### **4.8 User's Responsibility**

All Disposal by any person(s) into the sewer system is unlawful except those discharges in compliance with Federal Standards promulgated pursuant to the Federal Act or more stringent State and local standards.

All costs and expenses incidental to the installation, connection and maintenance of the building sewer shall be borne by the user. The user shall indemnify the District from any loss or damage that may directly or indirectly be occasioned by the installation of the building sewer.”

A separate and independent building sewer shall be provided for every building, and connection to a collecting sewer shall occur in a dedicated public street, easement or right-of-way except that where one building stands at the rear of another on an interior lot and no private sewer is available or can be constructed to the rear building through an adjoining alley, court, yard, or driveway, the building sewer from the front building may be extended to the rear building and the whole considered as one building sewer.

No person shall make connection of roof down spouts, exterior foundation drains, area-way drains, or other sources of surface runoff or groundwater to a building sewer or building drain which in turn is connected directly or indirectly to a public sanitary sewer; and,

No person shall discharge or cause to be discharged any storm water, surface water, groundwater, roof runoff, subsurface drainage, uncontaminated cooling water or unpolluted industrial process water to any sanitary sewer; and;

Storm water and all other unpolluted drainage shall be discharged to such sewers as are specifically designated as combined sewers or storm sewers, or to a natural outlet approved by the said District.

Industrial cooling water or unpolluted process waters may be discharged, on approval of the said District, to a storm sewer, combined sewer, or natural outlet;

Each user shall, as to each such building or appurtenance so connected to the sanitary sewer, grant permission to the District, to come upon the property and within the premises thereon, of such person(s) to inspect and/or perform sewer tests as may be deemed necessary by the District. Said allowance shall be deemed to include periodic inspections and/or tests as may be determined to be necessary by the District, to maintain, insure, and monitor compliance with the provisions of this Ordinance.

Whenever possible, the building sewer to serve a new building shall be brought to the building at an elevation below the basement floor or crawl space. No below grade plumbing fixtures shall be directly connected by gravity to any portion of the building sewer. Construction of all building drains shall be

no lower than the ground floor of any building. Sanitary sewage from all below grade plumbing fixtures shall be lifted by a means which is approved by the District and discharged to the building sewer. No water operated sewage ejector shall be used.. In all buildings, which any building drain is too low to permit gravity flow to the public sewer, sanitary sewage carried by such building drain shall be lifted by a means which is approved by the District and discharge to the building sewer. No water operated sewage ejector shall be used. The minimum depth of cover shall afford protection from frost. The building sewer shall be laid at a uniform grade and in straight alignment, insofar as possible. Changes in direction shall be made only with properly curved pipe and fittings, unless the break in the line is made at the manhole to facilitate servicing. All building drains shall be equipped with a proper "clean-out" outside the building to facilitate access to the service line for cleaning.

All excavations for building sewer installation shall be adequately guarded with barricades and lights so as to protect the public from hazard. Streets, sidewalks, parkways, and other public property disturbed in the course of the work shall be restored in a manner satisfactory to the District and to the Township Road Commissioner.

Connections with any sewer shall be made only at manholes or other such junctions as may be provided or designated by the permit, and then only in such manner as directed. The connection of a building sewer shall be made in a "Y" or "T" branch, if such branch is available. Connection to said "Y" or "T" shall be by means of an approved rubber connector of suitable size, secured on both ends by means of stainless steel clamps and in such a manner as to prevent the entrance of ground water into the receiving sewer line both during and after installation.

In the absence of such connection stub, a neat hole may be cut into the sewer to receive a building sewer, which entry in a downstream direction at an angle no greater than 90 degrees to the sewer. A saddle made of rubber and secured to the main line by means of stainless steel clamps shall be used to make the connection; the spigot end not to extend beyond the inner surface of such sewer. The center line of a building sewer at the point of connection shall be at the same or a higher level than the center line of the sewer. Other fittings may be used for the connection only when approved by the General Manager.

All sanitary sewers constructed to be connected to the District Sewer System as well as building sewer connections shall be constructed of PVC pipe. All pipe and fittings must meet the requirements specified in Article 7.1.

The size and slope of building connecting sewers shall be subject to the approval of the General Manager. If 6 inch pipe is used, the slope shall not be less than 1/8 inch per foot. If four inch pipe is used, the slope shall not be less than 1/4 inch per foot. Any pipe laid longitudinally in public streets, alleys, or easements which could connect more than one building sewer or could be extended to connect more than one building sewer, and all collecting sewers for which plans and specifications are presented for approval shall not be less than 8 inches in diameter, shall be laid on a minimum grade of four feet per 1,000 feet and shall be constructed to a maximum depth to permit further extension thereto. Collecting sewers shall be extended beyond the last house to be served and end at the most distant property line of the last house. House connecting sewers shall be installed or repaired by a licensed plumber, or have the installation or repair directly supervised by a licensed plumber.

Joints on all buildings, sewers, and on any sewers laid longitudinally in public streets, alleys, or easements up to and including 18 inch diameter shall be made permanently watertight by one of the following methods:

1. Ductile iron pipe shall be fitted with mechanical joints or push-on joints. Rubber gaskets joint shall conform to AWWA C 111. Bolts and nuts shall be Car-Ten (high strength, low alloy steel) or equal.
2. Plastic pipe joints shall conform to specifications in Article 7.1.
3. Joints between different types of pipe shall be made with an approved transition coupling. When reducing from a 6 inch to a 4 inch connection, proper rubber or other approved flexible reducing fittings shall be used.
4. All house connections shall be laid according to Standard Specifications for Water and Sewer Main Construction in Illinois and as modified in Article 7 of this policy.
5. All boulevards, existing utilities, sidewalks, streets, and seeded areas shall be left in as good a condition as they were prior to the start of any sewer construction and shall be maintained for a period of one year from the date of connection.

#### **4.9 Discharges into Public Sewers:**

- A. No person(s) shall make connection of roof, exterior foundation drains, area-way drains, or other sources of surface runoff or groundwater to a building sewer or building drain which in turn is connected directly or indirectly to a public sanitary sewer.
- B. No person shall discharge or cause to be discharged any of the following described waters or wastes to any public sewer:
  1. Any gasoline, benzene, naphtha, fuel oil, or other flammable or explosive liquid, solid, or gas;
  2. Any waters or wastes containing toxic or poisonous solids, liquids, or gases in sufficient quantity, either singly or by interaction with other wastes, to injure or interfere with any sewage treatment process, constitute a hazard to humans or animals, create a public nuisance, or create any hazard in the receiving waters of the sewage treatment plant, including but not limited to cyanides in excess of two (2) mg/l as CN in the wastes as discharged to the public sewer;
  3. Any waters or wastes having a pH lower than 5.5, or having any other corrosive property capable of causing damage or hazard to structures, equipment, and personnel of the sewage works;
  4. Solid or viscous substances in quantities or of such size capable or causing obstruction to the flow in sewers, or other interference with the proper operation of the sewage works such as,

but not limited to, ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastic, wood, unground garbage, whole blood, paunch manure, hair and fleshings, entrails and paper dishes, cups, milk containers, etc., either whole or ground by garbage grinders.

- C. No person shall discharge or cause to be discharged the following described substances, materials, waters, or wastes if it appears likely in the opinion of the General Manager that such wastes can harm either the sewers, sewage treatment process or equipment, have an adverse affect on the receiving stream, or can otherwise endanger life, limb, public property, or constitute a nuisance. In forming his opinion as to the acceptability of these wastes, the General Manager will give consideration to such factors as the quantities of subject wastes in relation to flows and velocities in the sewers, materials of construction of the sewers, nature of the sewage treatment process, capacity of the sewage treatment plant, degree to treatability of wastes in the sewage treatment plant, and other pertinent factors. The substances prohibited are:
1. Any liquid or vapor having a temperature higher than one hundred fifty (150) degrees F (65) C;
  2. Any water or waste containing fats, wax, grease, or oils, whether emulsified or not, in excess of one hundred (100) mg/l or containing substances which may solidify or become viscous at temperatures between thirty-two (32) and one hundred fifty (150) degrees F (0 and 65) C;
  3. Any garbage that has not been properly shredded. The installation and operation of any garbage grinder equipped with a motor of one horsepower or greater shall be subject to the review and approval of the General Manager;
  4. Any waters or wastes containing strong acid iron pickling wastes, or concentrated plating solutions whether neutralized or not;
  5. Any waters or wastes containing iron, chromium, copper, zinc, and similar objectionable or toxic substances; or wastes exerting an excessive chlorine requirement, to such degree that any such material received in the composite sewage at the sewage treatment works exceeds the limits established by the General Manager for such materials;
  6. Any waters or wastes containing phenols or other taste or odor producing substances, in such concentrations exceeding limits which may be established by the General Manager as necessary, after treatment of the composite sewage, to meet the requirements of the State, Federal, or other public agencies of jurisdiction for such discharge to the receiving waters;
  7. Any radioactive wastes or isotopes of such half-life or concentration as may exceed limits established by the General Manager in compliance with applicable State or Federal regulations;
  8. Any waters or wastes having a pH in excess of (9.5);

9. Materials which exert or cause:

- a. Unusual concentrations of inert suspended solids such as, but not limited to, Fuller's earth, lime slurries, and lime residues, or of dissolved solids such as, but not limited to, sodium chloride and sodium sulfate;
- b. Excessive discoloration such as, but not limited to, dye wastes and vegetable tanning solutions;
- c. Unusual BOD, chemical oxygen demand, or chlorine requirements in such quantities as to constitute a significant load on the sewage treatment works;
- d. Unusual volume of flow or concentration of wastes constituting "slugs" as defined herein;

10. Waters or wastes containing substances which are not amenable to treatment or reduction by the wastewater treatment processes employed, or are amenable to treatment only to such degree that the sewage treatment plant effluent cannot meet the requirements of other agencies having jurisdiction over discharge to the receiving waters.

D. If any waters or wastes are discharged, or are proposed to be discharged to the District sewers, which waters contain the substances or possess the characteristics enumerated in this Article, and which in the judgement of the General Manager, may have a deleterious affect upon the sewage works, processes, equipment, or receiving waters, or which otherwise create a hazard to life or constitute a public nuisance, the General Manager may:

1. Reject the wastes,
2. Require pre-treatment to an acceptable condition for discharge to the public sewers,
3. Require control over the quantities and rates of discharge, and/or
4. Require payment to cover the added cost of handling and treating the wastes not covered by existing sewer charges under the provision of this Ordinance.

E. If the General Manager permits the pre-treatment or equalization of waste flows, the design and installation of the plans and equipment shall be subject to the review and approval of the Board of Trustees, and subject to the requirements of all applicable codes, ordinances, and laws.

F. Grease, oil, and sand interceptors shall be provided when, in the opinion of the General Manager, they are necessary for the proper handling of liquid wastes containing grease in excessive amounts, or any flammable wastes, and/or other harmful ingredients; except that such interceptors shall not be required for private living quarters or dwelling units.

All interceptors shall be of a type and capacity approved by the General Manager, and shall be located as to be readily and easily accessible for cleaning and inspection.

- G. Where preliminary treatment or flow-equalizing facilities are provided for any waters or wastes, they shall be maintained continuously in satisfactory and effective operation by the owner at his expense.
- H. When required by the General Manager, the owner of any property serviced by a building sewer carrying industrial wastes shall install a suitable control manhole together with such necessary meters and other appurtenances in the building sewer to facilitate observation, sampling, and measurement of the wastes. Such manhole, when required, shall be accessible and safely located, and shall be constructed in accordance with plans approved by the General Manager. The manhole shall be installed by the owner at his expense, and shall be maintained by him so as to be safe and accessible at all times.
- I. All measurements, tests, and analyses of the characteristics of waters and wastes to which reference is made in this Ordinance shall be determined in accordance with the latest edition of "Standard Methods for the Examination of Water and Wastewater", published by the American Public Health Association, and shall be determined at the control manhole provided, or upon suitable samples taken at said control manhole. In the event that no special manhole has been required, the control manhole shall be considered to be the nearest downstream manhole in the public sewer to the point at which the building sewer is connected. Sampling shall be carried out by customarily accepted methods to reflect the affect of constituents upon the sewage works and to determine the existence of hazards to life, limb, and property. (The particular analyses involved will determine whether a twenty- four (24) hour composite of all out falls of a premises is appropriate or whether a grab sample or samples should be taken. Normally, but not always, BOD and suspended solids analyses are obtained from 24 hour composites of all out falls where pH's are determined from periodic grab samples.)
- J. No statement contained in this Article shall be construed as preventing any special agreement or arrangement between the District and any industrial concern whereby an industrial waste of unusual strength or character may be accepted by the District for treatment, subject to payment therefore, by the industrial concern.
- K. The General Manager and other duly authorized employees of the District bearing proper credentials and identification shall be permitted to enter all properties for the purpose of inspection, observation, measurement sampling, and testing in accordance with the provisions of the Ordinance. The General Manager or his representatives shall have no authority to inquire into any process including metallurgical, chemical, oil, refining, ceramic, paper, or other industries beyond that point having a direct bearing on the kind and source of discharge to the sewer or waterways or facilities for waste treatment.
- L. While performing the necessary work on private properties referred to above, the General Manager or duly authorized employees of the District shall observe all safety rules applicable to the premises established by the company and the company shall be held harmless for injury or death to the District employees and the District shall indemnify the company against loss or

damage to its property by District employees and against liability claims and demands for personal injury or property damage asserted against the company and growing out of the gauging and sampling operation, except as such may be caused by negligence or failure of the company to maintain safe conditions.

- M. The General Manager and other duly authorized employees of the District bearing proper credentials and identification shall be permitted to enter all private properties through which the District holds a duly negotiated easement for the purposes of, but not limited to, inspection, observation, measurement, sampling, repair, and maintenance of any portion of the sewage works lying within said easement. All entry and subsequent work, if any, on said easement, shall be done in full accordance with the terms of the duly negotiated easement, pertaining to the private property involved.

## **EXTENSION OF WATER MAINS AND SEWERS**

### **5.1 Requirements for Extension**

### **5.2 Plan Approval Procedures**

### **5.3 Deviations From Standards**

### **5.4 Construction Inspection**

### **5.5 Acceptance of District Extensions**

### **5.6 As-Built Drawings**

### **5.7 Maintenance Bond**

### **5.1 Requirements for Extension**

The District must approve all plans and specifications for any extensions. Before any extensions are installed, the plans and specifications must be reviewed and approved by, and a permit obtained from the State Environmental Protection Agency, or other agencies having jurisdiction thereof. Ownership, rights-of-way, and title must be conveyed to the District for all extensions installed. The District will maintain the mains thereafter.

No extension will be permitted if in the opinion of the District, the system does not have the necessary capacity to serve the proposed extension. The total cost of all water main extensions, and/or sewer extensions shall be borne by the person(s) requesting the extension, unless it is determined by the Board of Trustees that it is to the benefit of the District as a whole to participate in some manner in the construction of the extension.

The review and approval of the District will pertain only to the matters of water and wastewater extensions which will be dedicated to the District upon approval and acceptance.

### **5.2 Plan Approval Procedures**

- A. Informal Discussion Phase** - In order to become familiar with these regulations and the District policies and objectives applicable to the District in which the proposed extension lies, the sub-divider or party requesting extension is responsible for initiating discussions with the District before preparing complete plans.

The purpose of the informal discussion phase, prior to application, is to guide and assist the sub-divider, or person requesting the extension, insofar as possible, in his future decisions with a view to avoiding later difficulties and delays. This is the basic policy stage, during which the sub-divider or person requesting the extension, informally meets with the District. In the

course of this meeting, the sub-divider should make known his tentative plans for subdividing extension and/or development, may exhibit sketch plans and shall be appraised by specific District policies and objectives which the District may have for the area in question. Discussion at this phase shall involve the entire area of ownership and anticipated development to be serviced by the District.

- B. Preliminary Plan Phase** - The purpose of the preliminary plan phase, insofar as possible, is to assist the sub-divider, or person requesting the extension and the District in determining whether the proposed extension conforms to the standards and requirements of this Ordinance.

The Board of Trustees shall either:

1. Deny approval of the preliminary plans.
2. Approve the preliminary plans.
3. Approve the preliminary plans, subject to minor corrections or additions.
4. Continue the meeting to another date.

- C. Final Plans** - Final plans for water main and sewer extensions shall be submitted to the District Board of Trustees for approval. The plans shall be prepared by a registered Professional Engineer of Illinois. The plans shall be signed by the Chairman of the Board stating approval of the plans and specifications. In the case of new subdivisions, this approval can be either before or after submission and approval by the authority having jurisdiction over the land use or subdivision of the land. Three (3) sets of approved plans and specifications shall be delivered to the District prior to starting any construction operations. Any deviation from the District Standards must be submitted in writing. The deviation must be approved by the Board in writing.

- D. Construction Performance Bond** - Except as shall be provided for by prior agreements with other regulatory agencies, the sub-divider or person requesting the extension must furnish, as a condition of approval of the final plans a Construction Performance Bond in an amount equal to 125% of the estimated costs of the improvements which are to be dedicated to the District.

The Construction Performance Bond shall be in the form of a cash deposit, Performance Bond, or other surety acceptable to the Board.

### 5.3 Deviations from Standards

In the event it is deemed desirable to deviate from these standards, the developer, or user must submit, in writing, a request to the Board of Trustees stating the degree of deviation and the reasons why such deviation is necessary or desirable. The deviation must be approved in writing. The decision whether to grant any such waiver is solely at the discretion of the Board of Trustees of the District.

#### **5.4 Construction Inspection**

All materials and each part or detail of the work is subject to approval and inspection at all times by the District. The sub-divider or person requesting the extension shall provide engineering inspection during construction operations.

The Engineer representing the sub-divider or person requesting the extension shall certify that the work was constructed in substantial *compliance* with the plans and specifications as approved by the District.

#### **5.5 Acceptance of District Extensions**

When construction of the District extensions is completed, the Engineer for the developer shall make a written request to the District to accept the work and release the Construction Performance Bond.

Within 20 days, the District Engineer will make an inspection of the work. The District Engineer shall list any improvements that do not meet the plans and specifications as approved by the District Board.

All work shall first meet the approval of the District Engineer before the Board of Trustees will release all or part of the Construction Performance Bond.

The Board of Trustees shall issue the authority for use of the water or wastewater extension.

#### **5.6 As-Built Plans**

After completion of the project and prior to acceptance by the District, the Engineer shall furnish the District Engineer three (3) complete sets of signed "As Built" plans with each sheet clearly marked "as built" in the lower right hand corner. In addition, two (2) sets of 1/2 size copies of the above "As Built" plans of the water distribution and sewerage collections sheets shall be furnished. All plans shall indicate the final location of all improvements. Included shall be measurements sufficient in detail to locate points of future service connections. The location of all curb boxes and sewer service connections shall be indicated on the "As-Built" plans, by measurement from permanent fixtures.

#### **5.7 Maintenance Bond**

Except as shall be provided for by prior agreements with other regulatory agencies, the developer or person requesting the extension must furnish, as a condition of acceptance of the District improvements, a Maintenance Bond, cash deposit, or other surety acceptable to the Board in an amount equal to 50% of the estimated construction cost of the District extensions.

The condition of the Maintenance Bond shall be that the principal shall guarantee maintenance of the District improvements for a period of one year from the release of the Construction Performance Bond.

The District Board shall release the Maintenance Bond upon satisfaction of the conditions of the Board and upon written approval of the District Engineer.

**CONSTRUCTION REQUIREMENTS FOR  
WATER DISTRIBUTION SYSTEM**

**6.1 Design Criteria**

**6.2 Materials**

**6.3 Construction Standards**

**6.1 Design Criteria**

All design criteria shall conform with the current "Standard Specifications for Water and Sewer Main Construction in Illinois", except for the following items:

- A. Water main sizes shall depend upon factors such as the demand requirements, the pressure requirements in the distribution system, and plans for the expansion of the District. All mains located within the distribution system shall be a minimum of six (6) inches in diameter.
- B. The layout of the water mains shall be as to serve adequately all lots and tracts with connection to the District. The mains shall be looped and valved to permit shutting off of service to only a small number of connections for repairs or maintenance. Preferably, disruption of service should be limited to one block. Looped mains shall be provided in all locations. The design and construction shall include the placement of tees, crosses, etc. where future development indicates looping will be required.
- C. If the District Engineer recommends allowing *the construction of water mains which are not looped or dead ends*, they shall be equipped with a fire hydrant as specified in Section 6.2, Paragraph C.
- D. Fire hydrants shall be installed throughout the entire distribution system. The hydrant spacing shall provide for hose lines not exceeding 350 feet to a house. Hydrants along the street shall be at a maximum 500 foot interval.
- E. All fire hydrants shall be equipped with a properly restrained auxiliary valve located between the main and the hydrant to allow for the removal and/or replacement of said hydrant without disruption of adjacent water service.
- F. All hydrant leads shall be a minimum six (6) inch diameter.
- G. All hydrants shall have a seven (7) inch barrel, two (2), two and one-half (2 1/2) inch hose connections, and one (1) four and one-half (4-1/2) inch pumper connection. The 4-1/2" connection shall face the street and shall be uniform in site configuration. Threads shall match those presently in use for the local Fire Department.

- H. All plugs, caps, tees, bends, and fittings deflecting 22-1/2 degrees or more on mains shall be provided with approved mechanical joint restraint *system* sufficient to allow normal operation without displacement. *The restraint system used must include adequate line restraints on the water main to prevent displacement of the water main line after construction or during repairs.*

Mechanical joint restraint shall be incorporated in the design of the follower gland and shall include a restraining mechanism which when actuated, imparts a wedging action against the pipe, increasing the resistance as the pressure increases. Flexibility of the joint shall be maintained after burial. All mechanical joint restraint devices shall have a working pressure of at least 250 psi with a minimum safety factor of 2:1. All mechanical joint restraint devices shall be approved prior to installation and shall be inspected prior to burial.

- I. All water mains shall be buried with a tracer wire capable of indicating the exact location of said water main using conventional locating equipment designed for use with this type of installation. The installation of tracer wire shall provide for easy access by location personnel but not inhibit the use of any valve or other termination point. *The tracer wire shall be taped to the top of the water main and not wrapped around the main.*
- J. Valves shall be uniformly located in some standard area such as street or curb line to facilitate their location. A valve box, with its cover at the finished grade, shall always be placed over a buried valve. All valve boxes shall be equipped with an approved centering device capable of preventing the box from being dislocated during burial.

Valves should be located on all branches from feeder mains and between distributors and fire hydrants. Three valves should be used at crosses and two valves at tees; the valves should be placed on the smaller lines at each cross or tee. On arterial mains and minor distributors, valves should be placed at least every 600 feet.

- K. All service connections shall be supplied with corporation stops to each lot. The service pipe shall conform with the District Ordinances. (See Section 3.12). Water service lines should be installed to the approximate property line and shall terminate in a curb stop valve, including box, stem and cover.
- L. Minimum cover for mains and services shall be 48 inches.
- M. All permits required must be obtained by the developer, (i.e. Illinois Environmental Protection Agency Permit and/or Illinois Department of Transportation Permits).
- N. Written approval will be required from the appropriate authority where work will take place within an existing township, county or State of Illinois road right-of-way.

## 6.2 Materials

- A. All water main pipe shall be polyvinyl chloride (PVC) conforming to the requirements of AWWA C-900, ASTM D2241 SDR - 21, with a minimum sustaining working pressure of 200 P.S.I., and NSF 14.

An exception to the use of the above material will be required where water mains are constructed under a stream or river crossings. In the case of stream or river crossings the use of ductile iron, river crossing, water main pipe may be required where there is a danger of translocation of the water main by movement of water, ice or debris in the water course or by movement of the overlaying material due to erosion or other factors. All such installations will require a burial depth of 3.5 feet below the stream bed. Decisions regarding the use of substitute material or construction methods will be at the discretion of the General Manager.

Ductile iron pipe shall conform to AWWA C-150, tar coated with rubber gasket, push-on joints. All fittings used on ductile iron pipe shall be installed as per Section 6.1 H, above. The use of ductile iron pipe and the location of such use shall be approved by the General Manager prior to installation.

- B. All fittings shall conform to AWWA C-110 or AWWA C-153. All joints for ductile iron pipe shall conform to AWWA C-111.
- C. Fire hydrants shall be dry-barrel type designed for 150 pounds per square inch working pressure conforming to AWWA C 502 with valve opening at least 5 inches in diameter. Outlets shall have American National fire-hose coupling threads. All working parts shall be bronze. Hydrants shall be latest stock pattern produced by manufacturer. Hydrants shall open counter-clockwise. Hydrants shall be as follows:
  - 1. Kennedy (Guardian)
  - 2. Clow (2500)
  - 3. Mueller (Modern Centurion)
- D. All service pipes shall be not less than 1" SDR - 9 Copper Tube Size Polyethylene water pipe conforming to ASTM D2737. Lines larger than two inches shall be PVC, ASTM B2241, NSF 14 conforming to water main specifications as described in Section 6.2 of this document.
- E. All corporation stops, tapping saddles, and curb stops shall be fabricated of brass and shall be provided with outlets suitable for copper tube size polyethylene pipe, compression type connections. (See Detail) Curb stops shall be of the "roundway" type. All fittings used on water service lines shall be brass, suitable for use with copper tube size polyethylene pipe and be of the compression type. No "barbed" fittings nor fittings which require the use of hose clamps will be permitted.
- F. Service boxes shall be of the best quality iron, with the base of ample size to completely house the service stop, and of such construction that it shall be capable of extension from a minimum of three feet, six inches (3'6") in length, number EA2-45-40-36R, as manufactured by the Ford Meter Box Inc. or equivalent. Boxes shall be 1 inch in diameter for stops one and one-quarter (1-1/4) inches and smaller. Boxes for stops over one and one-quarter inches (1-1/4") will

require "enlarged" base adaptors. Boxes shall be furnished with a cast iron lid with a brass pentagon head plug. All service boxes up to two (2) inch curb stop size shall be arched bottom with internal rod.

- G. Valves shall be iron body, brass-mounted, non-rising stem, resilient seat, for working pressure of not less than 200 pounds per square inch and shall conform to AWWA C 509.

Valves shall have properly restrained mechanical joint ends, shall have a clear water-way equal to the full nominal diameter, and shall be opened by turning counter-clockwise.

Valve boxes shall be cast-iron, extension type with flared base and cast-iron cover. Minimum thickness of metal shall be 3/16 inch. Minimum inside diameter of shaft shall be 5-1/4 inches. Boxes shall be installed over outside gate valves and be of length that can be adapted, without full extension, to depth of cover required. The word "WATER" shall be cast in the cover. All valve boxes shall be equipped with an approved centering device capable of preventing the box from being dislocated during burial.

### **6.3 Construction Standards**

Trench back-fill is required whenever the trench is within two feet of a paved surface.

All construction pressure tests and leakage tests shall conform to the current "Standard Specifications for Water and Sewer Main Construction in Illinois", latest edition. The District Engineer and the General Manager shall be notified at least twenty-four (24) hours prior to testing of the water system. The Certifying Engineer, for the developer shall be present at the time of testing.

The District shall take the sterilization samples after the system has passed the pressure and leakage tests.

**CONSTRUCTION REQUIREMENTS FOR  
SANITARY SEWER SYSTEM**

**7.1 Design Criteria**

**7.2 Sewage Pumping Stations**

**7.3 Construction Standards**

**7.4 Television Inspection (Optional)**

**7.1 Design Criteria**

- A. The adequacy of the existing sanitary sewers to which the proposed development is to outlet into must first be determined by the developer. If the existing sewers are not adequate, it shall be the developer's responsibility to find an outlet for the sanitary sewers. This work shall be done in cooperation with the District Engineer and the General Manager.
- B. All design calculations must be submitted to the District Engineer for approval.
- C. All permits required must be obtained by the developer, (i.e., Environmental Protection Agency Permit and/or Illinois Department of Transportation Permits, Township and County Highway).
- D. Written approval will be required where work will take place within an existing township road right-of-way.
- E. All sanitary sewer work shall be done in accordance with the current "Standard Specifications for Water and Sewer Main Construction in Illinois" and the Environmental Protection Agency of the State of Illinois; except as follows:
  - 1. Sanitary sewer mains shall be a minimum of eight (8) inches in diameter;
  - 2. Maximum distance between manholes shall be 400 feet;
  - 3. Manholes shall be constructed in accordance with the Standard Drawing; (See Appendix)
  - 4. All main sewer lines shall be terminated with a manhole;
  - 6. Each lot shall be provided with a wye or tee connection located near the center of the lot (with pancake plug) All service lines and wyes shall be constructed to a watertight, approved method. The service shall extend to a point two feet inside of property line to be served.

The invert of all service connections made at manholes must be at the top of the main line pipe;

7. Any service stub which is seven (7) feet or greater from the finished surface shall be provided with a riser to bring the service within seven (7) feet of the surface, all such service wyes shall be encased with 6 inches of concrete, (with pancake plug);
8. Drop connections for service at manholes will not be allowed;
9. Back lot line sanitary sewer shall be provided with manholes at all street crossings;
10. Except in paved areas, the top of all manhole rims shall be set two (2) inches above the finished ground line;
11. Slope: All sewers shall be designed and constructed to give mean velocities, of not less than 2.0 feet per second, when flowing full, based on Manning's formula using an "n" value of 0.013. The following minimum slopes shall be provided; however, slopes greater than these are desirable:

Minimum Slope in Feet		
Sewer Size	Per 100 Feet	Flow (MGD)
8 inch	0.40	0.49
10 inch	0.28	0.75

12. Services shall have a minimum slope of:

4" diameter - 1/4" per foot

6" diameter - 1/8" per foot

13. Minimum cover shall be 3.5 feet from finished grade to top of pipe for gravity sewers or force mains. Special structural protection shall be provided for cases where there is less than the minimum cover.

14. The type of sewer pipe for mains and laterals shall be:

Polyvinyl Chloride (PVC) ASTM D 3034, SDR 35; bell and spigot for elastomeric gasket joints with a minimum cell class of 12454 B or C (sizes to 15"). Joints shall conform to ASTM D3212, and gaskets to ASTM F477, for flexible elastomeric gasket joints.

All river or lake crossings shall be constructed of ductile iron pipe enclosed in a steel casing pipe.

Large diameter sewer pipe specifications and or installation modifications which may be required due to excessive depths of installation shall conform to that specified in Standard

Specifications for Water and Sewer Main Construction in Illinois and shall be approved prior to installation by the General Manager.

15. All force main shall be constructed to water main standards.
  16. The type of service pipe material from the wye connection or service stub, whichever comes first, shall be:
    - a.. Plastic pipe:
      1. 4" services - Polyvinyl Chloride Pipe, Schedule 40 with solvent welded joints conforming to ASTM P1784, ASTM D1785 or ASTM D2564.
      2. 6" services - Polyvinyl Chloride Pipe, ASTM D3034, SDR-35, bell and spigot for elastomeric gasket joints, as specified above for main line sewer installations.
    - b. Fittings shall be of the same material as the pipe.
    - c. Adaptors shall be provided as required to join PVC pipe to pipe, fittings and equipment of other materials.
- F. Sanitary sewers shall be installed in public easements or dedicated public rights-of-way. Such easements and rights-of- way are to be of sufficient width and the sewers to be installed at such locations as to permit open cut installation, maintenance and repair within the confines of the easement or right-of-way without relocation or other unreasonable interference with other public utilities located therein and so as to meet the following minimum standards:
1. 20 foot width plus 5 feet for each additional utility.
  2. 2 additional feet for each 12 inches in diameter or portions thereof, for sewers in excess of 24 inches in diameter.
  3. Sewers exceeding 15 feet in depth, additional width may be required.

## **7.2 Sewage Pumping Stations**

- A. All sewage pumping stations shall be submersible type and shall be approved by the District Engineer during the planning stage. All sewage pumping stations shall be supplied with standby power generators fueled by natural gas or propane and equipped with automatic transfer switches. Sewage pumping stations shall be equipped with automatic telephone "dialer" alarm systems capable of adapting to the system currently in use by the District.
- B. All design calculations must be submitted to the District Engineer for approval.

### **7.3 Construction Standards**

- A. All construction shall be in accordance with the current "Standard Specifications for Water and Sewer Main Construction in Illinois" and the Environmental Protection Agency of the State of Illinois, except as follows:
1. The entire area around the pipe shall be bedded with sand containing no particles larger than 1-1/2 inches. No soil shall be used for bedding material. The entire pipe shall be covered with this special back-fill.
  2. The haunching and initial back-filling shall be placed completely under the haunches and up each side in uniform layers not exceeding 6 inches in depth, with each layer carefully and uniformly tamped.
  3. The minimum cover for sewer mains and service lines shall be three feet. All lines shall be capable of transmitting direct light between manholes.
  4. Infiltration shall not exceed 200 gallons per day per inch diameter per mile. This test procedure is to be used only for sewers located below the water table, otherwise exfiltration or air tests shall be conducted. The District Engineer and the General Manager shall be notified at least twenty-four (24) hours prior to testing of the sanitary sewer system. The Certifying Engineer for the developer shall be present at the time of testing.
  5. Exact location of all service wye connections shall be shown on the "As Built" drawings, as measured from the nearest downstream manhole; stakes shall be as shown on the Standard Drawing. (See Appendix)
  6. Unstable trench bottom material shall be removed and replaced with suitable, course material such as CA-7 as specified in Standard Specifications for Water and Mains in Illinois Article 20-2.20A.
  7. Selected granular back-fill shall be used whenever the trench is within two feet of the edge of a paved surface.

### **7.4 Television Inspection (Optional)**

The District may perform a TV inspection of the sewer system prior to acceptance by the District. The District will pay the cost for this inspection. The developer will be responsible for any additional TV inspection cost beyond this initial inspection.

## **PENALTY FOR VIOLATION**

### **8.1 Designated**

### **8.2 Illegal Connections to District Sanitary Sewer System**

### **8.3 Monthly Charge**

#### **8.1 Designated**

Whoever shall violate any of the provisions of this Ordinance shall be guilty of a misdemeanor and shall be fined not less than Fifty (\$50.00) Dollars and not more than Five Hundred (\$500.00) Dollars for each offense. Each day the violation continues shall be deemed a separate offense.

In addition, any violation shall be subject to injunction enjoining further violations and mandatorily enjoining compliance by removal of existing violations.

The District may seek injunctive relief together or separately from any penal sanction.

#### **8.2 Illegal Connections to District Sanitary Sewer System**

No person shall make connection of roof down spouts, exterior foundation drains, areaway drains, or other sources of surface runoff or groundwater to a building sewer or building drain which in turn is connected directly or indirectly to a District sanitary sewer.

No person shall discharge or cause to be discharged any storm water, surface water, groundwater, roof runoff, subsurface drainage, uncontaminated cooling water or unpolluted industrial process water to any District sanitary sewer.

Storm water and all other unpolluted drainage shall be discharged to such sewers as are specifically designated as storm sewers, or to a natural outlet approved by the said District. Industrial cooling water or unpolluted process waters may be discharged, on approval of the said District, to a storm sewer, or natural outlet.

**SEVERABILITY-PUBLICATION-EFFECTIVE DATE**

**9.1 Severability**

**9.2 Publication**

**9.3 Effective Date**

**9.1 Severability**

If any provision(s) of this Ordinance shall be held to be unconstitutional, or invalid for other reasons, such unconstitutionality or invalidity shall not affect the validity of the remaining provisions of this Ordinance.

**9.2 Publication**

This Ordinance shall be published in accordance with the provisions of 70 ILCS/0.01, Section 3705 Public Water District Act (formerly Chapter 111 2/3 in Public Utilities Illinois Revised Statutes, Section 188) et seq.

**9.3 Effective Date**

This Ordinance shall be effective after its passage and approval as provided by law. The effective date of this Ordinance is \_\_\_\_\_, 1995.

PASSED AND APPROVED this \_\_\_\_\_ day of \_\_\_\_\_, 1995

SANGAMON VALLEY PUBLIC WATER DISTRICT

\_\_\_\_\_  
Olen G. Parkhill, Jr.  
Chairman, Board of Trustees

ATTEST:

\_\_\_\_\_  
Bonnie Thompson  
Secretary

All designations and headings of chapters, articles, divisions, and sections are intended only for convenience in arrangement and as mere "catch words" to indicate the contents of such chapters, articles, divisions or section, whether printed in boldface type or italics. They shall not be deemed or taken to be any part or title of such chapters, articles, divisions or sections; nor unless expressly so provided, shall they be so deemed upon amendment or re-enactment, or shall they be construed to govern, limit, modify, alter or in any other manner affect the scope, meaning or intent of any of the provisions of this Ordinance.