ORDINANCE NO. 1501

AN ORDINANCE REPEALING ARTICLE I ENTITLED BUILDING AND MECHANICAL CODES, ARTICLE II ENTITLED ELECTRICITY AND ARTICLE III ENTITLED PLUMBING OF CHAPTER 6.3, AND REENACTING A NEW ARTICLE I ENTITLED PERMITS--UNIFORM CODES OF CHAPTER 6.3 OF THE SOLANO COUNTY CODE

WHEREAS, the Housing Community Development Commission of the State of California has adopted the 1991 Uniform Codes pursuant to Sections 17921, 17922 and 17958 of the State Housing Law.

WHEREAS, the County of Solano must adopt by Ordinance regulations imposing the same requirements as those adopted by the State of California in accordance with Section 17958 of the State Housing Law.

WHEREAS, the County of Solano may make such changes or modifications in the requirements it deems to be reasonable necessary because of local conditions.

The Board of Supervisors of the County of Solano, State of California, does ordain as follows:

SECTION I

Article I of Chapter 6.3 of the Solano County Code, entitled "Building and Mechanical", Article II of Chapter 6.3 of the Solano County Code, entitled "Electricity" and Article III of Chapter 6.3 of the Solano County Code, entitled "Plumbing," are hereby repealed and a new Article I is hereby added to read as follows:

CHAPTER 6.3. Permits--Uniform Codes

Sections:

6.3-01 Purpose
6.3-02 Definitions
6.3-03 Uniform Codes Adopted
6.3-04 Copies of Adopted Codes
6.3-05 Utility Connections
6.3-06 Encroachment or Grading
6.3-07 Conformance of construction to law
6.3-08 Adoption or amendment procedure
6.3-09 Violations and penalties.
6.3-10 Enforcement
6.3-12 Building Permit--Application, Plans & Specifications
6.3-13 Building Permits--Professional Plans Required
6.3-14 Building Permits--Term--Retention of plans
6.3-15 Building Permits--Fee's
6.3-16 Plan Checking Inspection and/or related fee's
6.3-17 Certificate of Occupancy--Required
6.3-18 Building Code Section 305 Amended--Final Inspection
6.3-01 Purpose This chapter is enacted for the purpose of adopting rules and regulations pursuant to the State Housing Law and the Health and Safety Code, for the protection of the public health, safety and general welfare of the occupant and the public governing the creation, construction, enlargement, conversion, alteration, repair, moving, removal, demolition, occupancy, use, height, court area, sanitation, ventilation and maintenance of any building used for human habitation; provided however, that nothing in the codes adopted in this chapter shall be construed to prevent any person from performing his own building, mechanical, plumbing or electrical work when performed with the permits in compliance with this chapter, and the California Business and Professions Code.

6.3-02 Definitions Whenever any of the following names and terms are used in this chapter or in any of the codes adopted by reference in this chapter, unless the context directs otherwise, such names or terms so used shall have the meaning ascribed thereto.
by this section.

A. "Board of Appeals", Housing Advisory, Code Advisory or appeals board, shall mean the five-person, supervisor-appointed, Board of Appeals.

B. "Building Official", "Plumbing Official", "Chief", "Electrical Inspector", Fire Official, Fire Marshall, "Administrative Authority", and similar references to a chief administrative position shall mean the Building Official of the County of Solano county provided, however, that: (1) where such terms are used in connection with those duties imposed by statute or ordinance upon the County Health Officer said terms shall include the County Health Officer;

C. Building Department, Electrical Department, Plumbing Department, Fire Official, Fire Marshal or Housing Department means the "Building Division" of the County of Solano.

D. "Conventional Sewage Disposal System" or "Conventional System" means a sewage disposal system of traditional design consisting of an anaerobic septic tank discharging into a subsurface leachfield of standard depth, dimension, and construction as described in this chapter.

E. "Fire Official", "Fire Marshall", Fire Inspector", or similar reference to a County Fire Official, charged with enforcing the Uniform Fire Code, as adopted herein, shall mean the Building Official of Solano County,

Section 6.3-03: Uniform Codes Adopted.
Subject to the modifications and amendments contained in this chapter, the following primary and secondary codes are hereby adopted and incorporated into the Codes of Solano County by reference and as having the same legal effect as if their respective contents were set forth herein and which may be amended and/or corrected from time to time:

A. THE UNIFORM BUILDING CODE, 1991 Edition, as adopted by the International Conference of Building Officials, and state amendments, is hereby adopted by reference as the Building code of the County of Solano.


C. THE UNIFORM PLUMBING CODE, 1991 Edition, together with the Appendices thereto, and state amendments as adopted by the International Association of Plumbing and Mechanical Officials in association with the International Conference of Building Officials is hereby adopted by reference as the Plumbing code of the County of Solano.


E. THE UNIFORM MECHANICAL CODE, 1991 Edition, together with the Appendices thereto, as adopted by the International Association


I. THE UNIFORM FIRE CODE, 1991 Edition, as adopted by the International Conference of Building Officials and the Western Fire Chief's Association, including the Appendices, is hereby adopted by reference as the Fire Code of the County of Solano.

6.3-04 Copies of Adopted Codes. The Environmental Management Department of the County shall maintain on file copies of the codes referred to in this chapter. Copies of these codes may be obtained through the Building Division at cost.

6.3-05 Utility Connections. It is unlawful for any person, including utilities companies, to connect electric power lines or liquefied petroleum gas or natural gas sources to any building or structure for which a permit is required by this chapter until the final inspection has been made and the approval signed by the building inspector. This section shall not prohibit the erection and use of temporary power poles approved by the power company during the course of construction, when approved by the building official.

6.3-06 Encroachment or Grading. No building permit shall be issued for which an encroachment or grading permit is required, unless and until the requirements prerequisite to the encroachment or grading permit have been met.

6.3-07 Conformance of Construction to Law. No building permit shall be issued unless and until the Building Official is satisfied that the construction authorized by the permit will not violate any existing law or ordinance.

6.3-08 Adoption or Amendment Procedures. The building official shall review all codes newly adopted by the state pursuant to the State Housing Law, Section 17910 et seq. of the Health and Safety Code and shall;

1. Report such newly adopted codes to the Board of Supervisors and advise the board to schedule a hearing not less than ninety days from the date of the report; and

2. Place copies of the codes to be considered by the board in the office of the building official for review by the general public.
3. The Board of Supervisors shall hold public hearing at the date and time scheduled, and shall then adopt the codes with amendments, if any.

6.3-09 Violations and Penalties It is unlawful for any person to, firm, or corporation to erect, construct, enlarge, alter, repair, move, improve, remove, convert, demolish, equip, use, occupy, or maintain any building, structure or building service equipment or cause or permit the same to be done in violation of this chapter.

B. The ordinance codified in this chapter, nor its superseding of any portion of any other ordinance of the county shall in any manner be construed to affect prosecution for violation of any other ordinance committed prior to the effective date of the ordinance codified in this chapter, nor be construed as a waiver of any license or any penal provision applicable to any such violation, and all rights and obligations thereunto appertaining shall continue in full force and effect.

C. All remedies prescribed under this chapter shall be cumulative and the use of one or more remedies by the county shall not bar the use of any other remedy for the purpose of enforcing this chapter.

D. For the purpose of this chapter, the building official, his deputies and authorized agents are authorized to issue citations.

E. Any person, firm, corporation or other entity violating any provisions of this title shall be guilty of an infraction. Any failure to obtain the proper permits and licenses for a period of one day after being cited under this chapter, including each additional one day period thereafter, shall be an additional violation subject to the same penalties set forth in this section.

F. In addition to the punishment set forth in this section, any person guilty of a violation of this chapter shall be liable for such costs, expenses and disbursements paid or incurred by the county in correction abatement and prosecution of the violation.

6.3-10 Enforcement duty and inspections. A. Pursuant to section 836.5 of the California Penal Code, the building official or his designated deputies is authorized to enforce the provisions of this title and to arrest or issue citations to violators thereof.

B. The collector, in the exercise of the duties imposed upon him under this chapter shall require inspections, made by various county departments, for all places in the county to ascertain if all provisions of this chapter and all other applicable ordinances of the county have been complied with prior to the issuance of such a permit.

6.3-12 Building permit--Application--Plans and specifications. Applications are to be signed by the property owner or a duly licensed contractor, engineer, or architect.
6.3-13 Building Permit--Professional designs required (a) All structures or buildings classified in Occupancy Groups A, B, E, H, I, and R-1 be designed in accordance with the Building and Professional Codes of the State of California.

6.3-14 Building permit--Term--Retention of plans A. The permits for occupancy groups A, B, E, H, I and R-1 will expire twelve months after issuance. The permit records, or microfilm of such, will be retained as a permanent document; for the life of the structure.

B. Permits for R-3 and M occupancy groups shall be valid for two years from the date of there issuance, provided that the time limits of starting work or work stoppage are met. Residential plans may be destroyed one hundred and eighty days after final inspection or revocation or expiration of permit.

C. Permits currently issued and older than two years old will expire one year from the adoption date of this ordinance. Permits currently issued and issued within the last two years will expire based on the time frames above or one year from adoption of this ordinance, which ever is latter.

6.3-15 Building permit--Fees. Building permit fees shall be prescribed in section 304 of the uniform administrative code, 1991 edition, except buildings shall be valued per the Building Valuation Data (Modifier one hundred percent) as listed in the Building Standards Magazine and changes adopted by administrative policy.

6.3-16 Fees for plan checking, inspections and/or related permits. The County Board of Supervisors may from time to time, establish a schedule of fees to be charged and collected for plan review, appeals, inspection services, and permit issuance. The amount of these fee's shall be provided by resolution. A copy of these fees shall be kept in all offices where permits are issued.

6.3-17 Certificate of Occupancy--Required. No building or structure shall be used or occupied without a certificate of occupancy. Such a certificate shall not be issued until compliance with all County requirements has been met. Occupying or using a structure without this approval constitutes a public nuisance, and will be abated.

6.3-18 Building Code Section 305 Amended--Final Inspection

Final Inspection: To be made after final grading and the building is completed and ready for occupancy. This shall mean all electrical, plumbing and mechanical complete and ready for occupancy, as well as all floor covering installed and painting completed, as well as any required exterior landscaping complete with house, sidewalks, and streets cleaned.

6.3-19 Building code section 2516-8, 3202b and appendix section 3212-6 amended--Roofing. Sections 2516-8, 3202b and
appendix section 3212-6 of the uniform building code are amended as follows:

**UBC Sec 2516-8** All roof material applied as exterior wall coverings shall have a fire rating of class "B" or better, treated in accordance with UBC Standard 32-7.

**UBC Sec. 3202b** All materials applied as roof covering shall have a fire rating of class "B" or better, treated in accordance with UBC Standard 32-7.

**UBC Appendix Sec. 3212-6** All materials applied as roof covering for re-roofing shall have a fire rating of class "B" or better, treated in accordance with UBC Standard 32-7, when fifty percent or more of the existing roof is replaced.

**6.3-20 Building Code--Section 301 amended.** Section 301 of the Uniform Building Code is amended to add the following additional work exempt from a permit:

12. Satellite dish antennas are exempt from a building permit, except when attached to a structure or mounted more that fifteen feet above ground level.

13. Purely agricultural, nonresidential buildings and/or structures not exceeding 500 square foot and where no structural span exceeds 14 foot and where no human habitation is involved are exempted from obtaining a building permit under this article; provided that the buildings and structures are used exclusively for agricultural operations on the parcel of land where located, by the family in residence, for housing or livestock and poultry, and/or storage, and are situated upon an agricultural parcel of land at least twenty acres in size, and where exterior walls of such buildings and/or structures are located sixty feet from any property line; provided further that exemption from the requirements of a building permit confers no such exemption from the requirement to obtain separate electrical, plumbing and mechanical permits.

**6.3-21 Building Code Section 304c amended--Standard Plans.** The following is added to Section 304 (c) of the Uniform building Code:

Standard Plans: The Building Official may approve a set of plans for a building or structure as a "standard plan", provided the applicant has made proper application, submitted complete sets of plans, and paid the Plan Review Fee as required by Section 302 and Section 304.

When it is desired to use and approved "standard plan" for an identical structure, two plot plans and one duplicate plan shall be submitted, and Plan Review Fee equal to one-half of the full Plan Review Fee required in Section 304 shall be paid at the time application is made for such identical structure. Such duplicate plans shall be compared, stamped, and kept on the job as required by Section 303. In case of any deviation whatsoever from this standard plan, complete plans, together with a full Plan Review Fee, shall be submitted for the proposed work, as required by
Section 302, 303, and 304 respectively.

Standard plans shall be valid for a period of one (1) year from the date of approval. This period may be extended by the Building Official when there is evidence that the plan may be used again.

6.3-22 Commercial Buildings--Conduit required. All electrical conductors in commercial buildings or structures shall be in rigid conduit, EMT or where permitted flex or PVC.

6.3-23 Service Panels All new single family dwellings in excess of fifteen hundred square feet of living area will be equipped with minimum two hundred amp main service panels.

6.3-24 Fire Code--Section 3.105 added--Hazard abatement
Section 3.105 is added to the Uniform Fire Code, as follows:

Section 3.105 Abatement of Hazards. In situations where immediate abatement of a fire hazard is required the County Fire Marshall shall have authority to order such abatement and shall cause the expense of such abatement or action to become a lien upon the property affected.

6.3-25 Fire Code--Section 10.509f added--Hose Cabinets.
Section 10.509f is added to the Uniform Fire Code as follows:

All buildings having areas more than 100 feet travel distance from the nearest point accessible to fire apparatus shall be equipped with one or more hose cabinets, Potter Roemer Series 2300 or equivalent, with a hose rack and 100 feet of approved 1.5 inch fire hose with adjustable stream hose nozzle. Water supply pipe sizes to be approved by the County Fire Marshal. Where adequate water suppliers are not available the County Fire Marshal may require fire department connections or other additions to the system. Exact number and location of fire cabinets to be determined by the County Fire Marshal.

6.3-27 Plumbing Code Section 1102 added--Sewage Disposal
Under special circumstances sewage may be contained on site in holding tanks until it can be transported off site for treatment and disposal. Holding tanks shall be limited in use to structures that are located in the primary area of the Suisun marsh where use of the sewage facilities is intermittent and strictly non-residential and non-commercial, such as a hunting club. Use of holding tanks for other structures is prohibited except where holding tanks have been used to serve existing nonconforming structures prior to the effective date of this chapter.
6.3-28 Plumbing Code Section I-3 amended-- The minimum effective absorption area in disposal fields in square feet of trench bottom and in seepage pits in square feet of side wall, shall be predicated on the required septic tank capacity in gallons and/or estimated waste/sewage flow rates, whichever is greater, and shall conform to Table I-4, I-6, or I-7 as determined by the percolation rate or soil type found in the drain-field area and shall be as follows:

6.3-29 Plumbing Code Section I 3-4 added: Soil depth below the bottom of the leaching trench or seepage pit shall not be less than five (5) feet. Soil depth shall be determined by an eight (8) foot bore test.

Disposal fields and seepage pits to service residential buildings shall be sized using Tables I-4 or I-6. Disposal fields and seepage pits to service commercial buildings shall be sized using estimated sewage flow rates outlined in Table I-3 and application rates outlined in Tables I-4 or I-7. Commercial systems generating greater than 600 gallons per day shall be designed by a registered engineer.

6.3-30 Plumbing Code Sec I 4 (a) amended: Percolation data or soil type determination is required for the sizing of disposal fields. Percolation tests shall be performed according to the procedures outlined in the Manual of Septic-Tank Practices, U.S. Department of Health, Education and Welfare, 1972, with the exception of a minimum of three test holes as opposed to the six required by the manual. Other methods for soil percolation determinations are subject to prior approval by the Administrative Authority. An additional hole may be required for use by the Administrative Authority to confirm the percolation rate. The final soil percolation rate is determined by the average rate of the three holes, provided all three holes have a minimum of sixty minutes per inch and fall within 25% of one another. The administrative Authority requires advance notice of percolation tests.

Percolation tests shall be performed by a Registered Environmental Health Specialist, or person permitted to do so by the California Contractor Laws and the Business and Professions Code. Soil type determinations shall be performed by a registered Civil Engineer, Registered Geologist, Registered Soil Engineer, or other person permitted to do so by the Business and Professions Code. All tests shall include a minimum eight feet boring to ensure a minimum five feet separation between groundwater and the disposal field.

6.3-31 Plumbing Code Section I 4-C Amended: No conventional sewage disposal system shall be permitted to service a building if the percolation test shows the absorption capacity of the soil is less than 0.6 gallons per square foot (one inch per hour) or more than 5.12 gallons per square foot of leaching area per 24 hours.
If the percolation test shows an absorption rate greater than 5.12 gallons per square foot per 24 hours, a sewage disposal system may be permitted if the site does not overlie ground waters protected for drinking water supplies, a minimum thickness of two feet (0.61m) of the native soil below the entire proposed system is replaced by loamy sand, and the system design is based on percolation tests made in the loamy sand.

**6.3-32 Plumbing Code Section I 5-D amended:** Septic tanks shall have a minimum of two compartments. The inlet compartment of any septic tank shall be not less than two-thirds (2/3) of the total capacity of the tank, nor less than 500 gallons liquid capacity and shall be at least three feet in width and five feet in length. Liquid depth shall be not less than two feet and six inches nor more than six feet. The secondary compartment of any septic tank shall have a minimum capacity of one-third (1/3) of the total capacity of such tank.

**6.3-33 Plumbing Code Section I 6-A amended:** Distribution lines shall be constructed of perforated high density polyethylene pipe, perforated ABS pipe, perforated PVC pipe, or other materials approved by the Administrative Authority, provided that sufficient openings are available for distribution of the effluent into the trench area.

**6.3-34 Plumbing Code Section I 6 (c) shall be deleted**
**6.3-35 Plumbing Code Section I 6 (i) amended:** Disposal fields shall be constructed as follows:

<table>
<thead>
<tr>
<th>Item</th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of drain lines per field</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>Length of each line</td>
<td>-</td>
<td>100 ft.</td>
</tr>
<tr>
<td>Bottom width of trench</td>
<td>18 in.</td>
<td>36 in.</td>
</tr>
<tr>
<td>Spacing of drain lines center to center</td>
<td>6 ft.</td>
<td>-</td>
</tr>
<tr>
<td>Depth of earth cover</td>
<td>12 in.</td>
<td>24 in.</td>
</tr>
<tr>
<td>Grade of lines</td>
<td>level</td>
<td>3 in./100 ft.</td>
</tr>
<tr>
<td>Depth of gravel under drain lines</td>
<td>18 in.</td>
<td>-</td>
</tr>
<tr>
<td>Depth of gravel over drain lines</td>
<td>2 in.</td>
<td>-</td>
</tr>
</tbody>
</table>

**6.3-36 Plumbing Code Sec I 6 (j) Added:** Natural ground slope in the disposal area shall not be greater than 25%; except that the Administrative Authority, may waive the maximum slope limitations where it can be demonstrated through a technical report prepared by a state-registered civil engineer or geologist, that use of a soil absorption system will not surface in the absorption field or reserve area, create water quality problems, jeopardize surrounding properties, or affect soil stability. The Administrative authority may also waive the maximum slope limitations for all parcels which existed or had been approved by tentative map on or before February 4, 1975.
**6.3-37 Plumbing Code Table I-1 shall be amended to read (bold indicates new language):**

<table>
<thead>
<tr>
<th>Location of Sewage Disposal System</th>
<th>Minimum Horizontal Distance Required From:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Building</td>
</tr>
<tr>
<td>Buildings or Structures¹</td>
<td>2</td>
</tr>
<tr>
<td>Property Lines</td>
<td>Clear²</td>
</tr>
<tr>
<td>Basements</td>
<td>5</td>
</tr>
<tr>
<td>Water Supply Wells</td>
<td>50³</td>
</tr>
<tr>
<td>Streams/Drainage or Irrigation Courses</td>
<td>50</td>
</tr>
<tr>
<td>Ponds/Lakes</td>
<td>100</td>
</tr>
<tr>
<td>Swimming Pools</td>
<td>5</td>
</tr>
<tr>
<td>Trees</td>
<td>-</td>
</tr>
<tr>
<td>Seepage Pits</td>
<td>-</td>
</tr>
<tr>
<td>Disposal Field</td>
<td>-</td>
</tr>
<tr>
<td>Domestic Water Line</td>
<td>1⁵</td>
</tr>
<tr>
<td>Distribution Box</td>
<td>-</td>
</tr>
<tr>
<td>Pressure Public Water Main</td>
<td>10⁶</td>
</tr>
</tbody>
</table>

Notes:
- When disposal fields and/or seepage pits are installed in sloping ground, the minimum horizontal distance between any part of the leaching system and ground surface shall be fifteen (15) FEET (4.6m).
- 1. Including porches and steps, whether covered or uncovered, breezeways, roofed porte-cochere, roofed patios, carports, covered walks, covered driveways and similar structures and appurtenances.
- 2. See also Section 315(c) of the Uniform Plumbing Code.
- 3. All drainage piping shall clear domestic water supply wells by at least fifty (50) feet (15.2m). This distance may be reduced to not less than twenty-five (25) feet (7.6m) when the drainage piping is constructed of materials approved for use within a building.
- 4. Plus two (2) feet (.6m) for each additional foot (.3m) of depth in excess of one (1) foot below the bottom of the drain line. (See also Section I 6).
- 5. See Section 1108 of the Uniform Plumbing Code.
- 6. For parallel construction - for crossings, approval by the Environmental Health Division shall be required.
- 7. These minimum clear horizontal distances shall also apply between disposal field, seepage pits and the ocean mean high tide line.
6.3-38 Plumbing Code Table I-2 amended:

<table>
<thead>
<tr>
<th>Number of Multiple Dwelling Units or Apts</th>
<th>Other Uses Max Fixture Units Per Table 4-1</th>
<th>Minimum Septic Tank Capacity Gallons</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-3</td>
<td>2 Units</td>
<td>15-25</td>
</tr>
<tr>
<td>4</td>
<td>3 Units</td>
<td>33</td>
</tr>
<tr>
<td>5-6</td>
<td>4 Units</td>
<td>45</td>
</tr>
<tr>
<td></td>
<td>5 Units</td>
<td>55</td>
</tr>
<tr>
<td></td>
<td>6 Units</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td>7 Units</td>
<td>70</td>
</tr>
<tr>
<td></td>
<td>8 Units</td>
<td>80</td>
</tr>
<tr>
<td></td>
<td>9 Units</td>
<td>90</td>
</tr>
<tr>
<td></td>
<td>10 Units</td>
<td>100</td>
</tr>
</tbody>
</table>

Extra bedroom, 150 gallons each.
Extra dwelling units over 10, 250 gallons each.
Extra fixture units over 100, 25 gallons per fixture unit.

Septic tank sizes in this table include sludge storage capacity and the connection of domestic food waste disposal units without further volume increase.

6.3-39 Plumbing Code Table I-6 Added

Table I-6
Residential Systems

<table>
<thead>
<tr>
<th>Perc Rate ins./hr.</th>
<th>Perc Rate min./in.</th>
<th>Leach Trench &lt;3' wide sq.ft./bedroom</th>
<th>Leach Bed &gt;3' wide sq.ft./bedroom</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;1.0</td>
<td>&gt;60</td>
<td>unsuitable for conventional system</td>
<td></td>
</tr>
<tr>
<td>1.0</td>
<td>60</td>
<td>400</td>
<td>600</td>
</tr>
<tr>
<td>1.5</td>
<td>330</td>
<td>330</td>
<td>495</td>
</tr>
<tr>
<td>2.0</td>
<td>30</td>
<td>280</td>
<td>420</td>
</tr>
<tr>
<td>2.5</td>
<td>240</td>
<td>240</td>
<td>360</td>
</tr>
<tr>
<td>3.0</td>
<td>20</td>
<td>200</td>
<td>300</td>
</tr>
<tr>
<td>3.5</td>
<td>180</td>
<td>180</td>
<td>270</td>
</tr>
<tr>
<td>4.0</td>
<td>15</td>
<td>160</td>
<td>240</td>
</tr>
</tbody>
</table>
### Table I-7

<table>
<thead>
<tr>
<th>Perc Rate in/hr.</th>
<th>Perc Rate min./in.</th>
<th>Application Rate Leach Trench &lt;3' wide gal./ft²/day</th>
<th>Application Rate Leach Bed &gt;3' wide gal./ft²/day</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;1.0</td>
<td>&gt;60</td>
<td>unsuitable for conventional system</td>
<td></td>
</tr>
<tr>
<td>1.0</td>
<td>60</td>
<td>0.375</td>
<td>0.375 + 50%**</td>
</tr>
<tr>
<td>1.5</td>
<td>30</td>
<td>0.455</td>
<td>0.455 + 50%</td>
</tr>
<tr>
<td>2.0</td>
<td>20</td>
<td>0.536</td>
<td>0.536 + 50%</td>
</tr>
<tr>
<td>2.5</td>
<td>15</td>
<td>0.625</td>
<td>0.625 + 50%</td>
</tr>
<tr>
<td>3.0</td>
<td>10</td>
<td>0.750</td>
<td>0.750 + 50%</td>
</tr>
<tr>
<td>3.5</td>
<td>8</td>
<td>0.833</td>
<td>0.833 + 50%</td>
</tr>
<tr>
<td>4.0</td>
<td>6</td>
<td>0.937</td>
<td>0.937 + 50%</td>
</tr>
</tbody>
</table>

* Commercial systems generating greater than 600 gallons per day shall be designed by a licensed engineer.  
** The installation of leach-beds (greater than 36 inches in width) requires 50% more area than leach trenches (18 inches to 36 inches in width).

### 6.3-40 Plumbing Code Table I-7 Added

### 6.3-50 Uniform Plumbing Code Section 1001 added:
"Water transported to a building site shall be deemed adequate only if approved as to source, transportation method and on-site storage by the County Environmental Health Division."

### 6.3-51 Plumbing Code Minimum water supply - single-family dwellings:
All dwellings shall be provided a potable water supply system as required by this section. Such system shall also satisfy all applicable requirements of the Uniform Plumbing Code and the Solano County Department of Environmental Management, Division of Environmental Health.

a. **Public water system or on-site source.** Subject to the approval of the building official, a dwelling may be supplied potable water from either:

(1) A public water service provided and managed by a public agency; or

(2) An on-site (i.e., located within the perimeter boundaries of the property upon which the dwelling is to be located), well, spring or surface supply, water storage and delivery system in accordance with this section.

b. **On-site wells.** When an on-site well is the proposed potable water supply, a building permit may be issued only where the well, together with any on-site water storage, satisfies all the following requirements:
Environmental Health Division approval. All water wells shall be designed, constructed and shall obtain Environmental Health Division approval as required by Chapter 13.10 of the Solano County Code.

Minimum capacity. An on-site well shall provide to each connection a minimum capacity of three (3) gallons-per-minute (GPM) for a four (4) hour period, at a minimum of 10 lbs per square-inch pressure, in order to be approved for use as a source of potable water for a single-family dwelling. (Note: additional on-site water storage for fire protection may also be required by Chapter 26, Sections 26-24 (a)(6) and 26-25 (a)(5) of the County Code regardless of the requirements of this section.)

Wells producing at least three (3) gallons-per-minute but less than five (5) gallons-per-minute shall be required to be augmented by a minimum storage capacity of five-hundred (500) gallons, pursuant to Chapter 26, Section 26-61(a)(3) of the County Code.

Wells producing less than three (3) gallons-per-minute shall not be accepted as an adequate water supply for the purposes of this section except for parcels legally created prior to September 28, 1993, which shall be required to produce a minimum of one (1) gallon per minute with a minimum of five (5) gallons per minute deliverable at 10 lbs per square inch pressure in combination of well and storage.

c. Springs: Springs which are to be used as the primary domestic water source shall be constructed to the standards as specified by the Division of Environmental Health and shall be meet the same minimum requirements established for wells.

d. Testing of capacity: The capacity required by this section for a domestic well or spring shall be verified in conformance with Section 26-61 - Well Test - of the Solano County Code and shall have been established within two years of application for building permit.

e. Surface supplies: Surface supplies shall be provided with continuous disinfection treatment prior to entry to the distribution system and shall meet the same minimum requirements established for wells.
6.3-52 Plumbing Code, Verification of water supply required: No grading, building or plumbing permit application or plans for a project which will require new service with potable water shall be issued unless:

a. The building official is provided a written statement from the operator of an approved public water agency that the purveyor will provide potable water service to the dwelling and that the water purveyor has sufficient water resource and system capacity to provide such service; or

b. The building official is provided evidence that a permit or other authorization has been granted by the water purveyor for the proposed project to connect to and use the domestic water system; or

c. An on-site well, spring or surface supply is installed, tested and is certified to satisfy the requirement of Section 6.30.510b or the building official is provided evidence showing that potable water adequate to satisfy the standards of Section 6.30.510b is available on-site; and

d. All on-site water sources shall be analyzed for the presence of total coliform bacteria by a laboratory certified by the State of California, Department of Health Services for bacteriological analyses pursuant to Section 4025 of the California Health and Safety Code. If any sample is total coliform positive, a repeat sample shall be collected from the same location. If the repeat sample is also total coliform positive, the sample shall be analyzed for the presence of fecal coliform or Escherichia coli (E.Coli). If the repeat sample is positive, corrective action shall be taken to eliminate the cause of the positive samples.

No final building inspection for a dwelling shall be approved until the dwelling is connected to an operating water supply approved pursuant to this section.

SECTION II.

Pursuant to provisions of Government Code Section 25124(b) (1), a Summary of this Ordinance shall be published once, at least FIVE (5) DAYS prior to the meeting of the Board of Supervisors at which the Ordinance is to be finally considered for adoption (second reading), and a Summary of this Ordinance, with the vote of the members of the Board of Supervisors thereon, shall also be published once before the expiration of FIFTEEN (15) DAYS after adoption of the Ordinance. Both publications shall be in the DAILY REPUBLIC, a newspaper of general circulation, printed and published in the County of Solano, State of California, and shall be in full force and effect THIRTY (30) DAYS after its passage.

A certified copy of the full text of the proposed Ordinance shall be posted in the office of the Clerk to the Board of Supervisors at least FIVE (5)
DAYS prior to the meeting of the Board of Supervisors, at which the Ordinance is to be finally considered for adoption (second reading). A certified copy of the final Ordinance shall be posted in the Office of the Clerk to the Board of Supervisors, at least FIFTEEN (15) DAY after adoption of the ordinance, and the posting shall include the vote of the Supervisors for or against the Ordinance.

ATTEST:

LINDA TERRA, Clerk to the Board of Supervisors

I, LINDA TERRA, Clerk to the Board of Supervisors of the County of Solano, State of California, do hereby certify that the above and foregoing Ordinance was introduced at a regular meeting thereof held the 22nd day of November, 1994.

On the motion of Supervisor Kondylis and the Second of Supervisor Schlenker, this Ordinance was adopted at a regular meeting of said Board on December 6, 1994, by the following vote:

AYES: SUPERVISORS Kondylis, Schlenker, Thomson and Chairman Carroll

NOES: SUPERVISORS None

ABSTAINED: SUPERVISORS None

ABSENT: SUPERVISORS Caddle

WITNESS my hand and the Seal of said Board this 6th day of December, 1994.

LINDA TERRA, Clerk to the Board of Supervisors

By LINDA TERRA