**Section 905.APPENDIX A Illustrations and Exhibits**

**Section 905.ILLUSTRATION H Subsurface Seepage System Size Determination**

**Section 905.EXHIBIT A Gravel System**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Time (minutes) required for last 6 inches of water to fall | | FOR RESIDENTIAL USE Required Absorption Area (sq ft)/bedroom) | FOR INSTITUTIONAL OR COMMERCIAL USE Allowable application rate (GPD/sq ft) (5) | Recommended depth from bottom of the trench to the limiting layer |
| 18 - 60 | | 200 | 1.0 |  |
| 90 | | 210 | .95 | 3 feet |
| 120 | | 235 | .85 |  |
| 150 | | 265 | .75 |  |
| 180 | | 290 | .69 |  |
| 240 | | 320 | .62 |  |
| 300 | | 350 | .57 | 2 feet |
| 360 | | 385 | .52 |  |
| NOTE: | | | | |
| 1. | Absorption area is figured as trench bottom area in absorption trenches and bottom area in seepage beds. | | | |
| 2. | Seepage beds require 1½ times the seepage field absorption area specified. | | | |
| 3. | Over 360 is unsuitable for subsurface seepage systems. | | | |
| 4. | Under 18 is unsuitable for subsurface seepage systems. | | | |
| 5. | Divide the required total gallons per day by this number to get the number of square feet required | | | |

(Source: Amended at 20 Ill. Reg. 2431, effective March 15, 1996)

**Section 905.APPENDIX A Illustrations and Exhibits**

**Section 905.ILLUSTRATION H Subsurface Seepage System Size Determination**

**Section 905.EXHIBIT B Gravelless System**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Time (minutes) required for last 6 inches of water to fall | | FOR RESIDENTIAL USE Required Absorption Area (sq ft)/bedroom) | | FOR INSTITUTIONAL OR COMMERCIAL USE Allowable application rate (GPD/sq ft) (5) | | Recommended depth from bottom of the trench to the limiting layer |
|  | | 8 inch | 10 inch | 8 inch | 10 inch |  |
| 18 – 60 | | 100 | 70 | 2.00 | 3.00 |  |
| 90 | | 105 | 70 | 1.90 | 2.86 | 3 feet |
| 120 | | 120 | 80 | 1.66 | 2.50 |  |
| 150 | | 135 | 90 | 1.48 | 2.22 |  |
| 180 | | 145 | 100 | 1.38 | 2.00 |  |
| 240 | | 160 | 110 | 1.25 | 1.82 |  |
| 300 | | 175 | 120 | 1.14 | 1.66 | 2 feet |
| 360 | | 195 | 130 | 1.0 | 1.54 |  |
| NOTE: | | | | | | |
| 1. | Over 360 is unsuitable for subsurface seepage systems. | | | | | |
| 2. | Under 18 is unsuitable for subsurface seepage systems. | | | | | |
| 3. | Divide the required total gallons per day by this number to get the number of lineal feet required. | | | | | |

(Source: Amended at 20 Ill. Reg. 2431, effective March 15, 1996)