

inches annually and provides only a minor percentage of total groundwater recharge in the area.

The groundwater table currently lies about 125 feet below the ground's surface. The Environmental Impact Report prepared for construction of the Pixley Wastewater Treatment Plant indicates that all of Pixley PUD's wells are currently meeting state health requirements for domestic water supply.

### **Flooding**

According to the Flood Insurance Rate Map (FIRM) prepared by the Federal Emergency Management Agency (FEMA), a portion of Pixley east of State Highway 99 is subject to a 100-year flood, (see Exhibit 12). The depth of this potential flood could range from one to three feet. This potential flood condition is caused by Deer Creek, ponding up against Highway 99 due to conditions which restrict flow under the highway. The elevation of building pads should eliminate the potential for loss of property should flooding occur.

### **Drainage**

Within Pixley there are areas of localized ponding and puddling that occur during heavy rainfall events. Additional projects will be required in the future to further expand stormwater drainage capacity.

### **Noise**

Tulare County adopted a new noise element in 1988. The element provides noise contours for lands adjacent to freeways, airports, local industries and railroads for the base year (1986) and provides projected contours for the year 2010. The noise contours were prepared in terms of either the community noise equivalent level (CNEL) or day-night average decibel level (Ldn), both of which are descriptive of the total noise exposure at a given location for an annual average day.

The Noise Element identifies noise-impacted areas throughout Tulare County. These areas include lands which have existing or projected noise levels exceeding 60 decibels (dB) Ldn. This decibel figure is considered to be the maximum normally acceptable noise level for single family residential areas.