

**TABLE 1**  
**OAR 340-071-0220**  
**MINIMUM SEPARATION DISTANCES**

Items Requiring Setback	From Subsurface Absorption Area Including Replacement Area	From Septic Tank and Other Treatment Units, Effluent Sewer and Distribution Units
1. Groundwater Supplies and Wells.	*100'	50'
2. Springs: <ul style="list-style-type: none"> <li>• Upgradient.</li> <li>• Downgradient.</li> </ul>	50' 100'	50' 50'
**3. Surface Public Waters: <ul style="list-style-type: none"> <li>• Year round.</li> <li>• Seasonal.</li> </ul>	100' 50'	50' 50'
4. Intermittent Streams: <ul style="list-style-type: none"> <li>• Piped (watertight not less than 20' from any part of the onsite system).</li> <li>• Unpiped.</li> </ul>	20' 50'	20' 50'
5. Groundwater Interceptors: <ul style="list-style-type: none"> <li>• On a slope of 3% or less.</li> <li>• On a slope greater than 3%: <ul style="list-style-type: none"> <li>• Upgradient.</li> <li>• Downgradient.</li> </ul> </li> </ul>	20' 10' 50'	10' 5' 10'
6. Irrigation Canals: <ul style="list-style-type: none"> <li>• Lined (watertight canal).</li> <li>• Unlined: <ul style="list-style-type: none"> <li>• Upgradient.</li> <li>• Downgradient.</li> </ul> </li> </ul>	25' 25' 50'	25' 25' 50'
7. Manmade Cuts Down Gradient in Excess of 30 Inches (top of downslope cut): <ul style="list-style-type: none"> <li>• Which Intersect Layers that Limit Effective Soil Depth Within 48 Inches of Surface.</li> <li>• Which Do Not Intersect Layers that Limit Effective Soil Depth.</li> </ul>	50' 25'	25' 10'
8. Downgradient Escarpments: <ul style="list-style-type: none"> <li>• Which Intersect Layers that Limit Effective Soil Depth.</li> <li>• Which Do Not Intersect Layers that Limit Effective Soil Depth.</li> </ul>	50' 25'	10' 10'
9. Property Lines.	10'	5'
10. Water Lines.	10'	10'
11. Foundation Lines of any Building, Including Garages and Out Buildings.	10'	5'
12. Underground Utilities.	10'	—
* 50-foot setback for wells constructed with special standards granted by WRD.		
**This does not prevent stream crossings of pressure effluent sewers.		

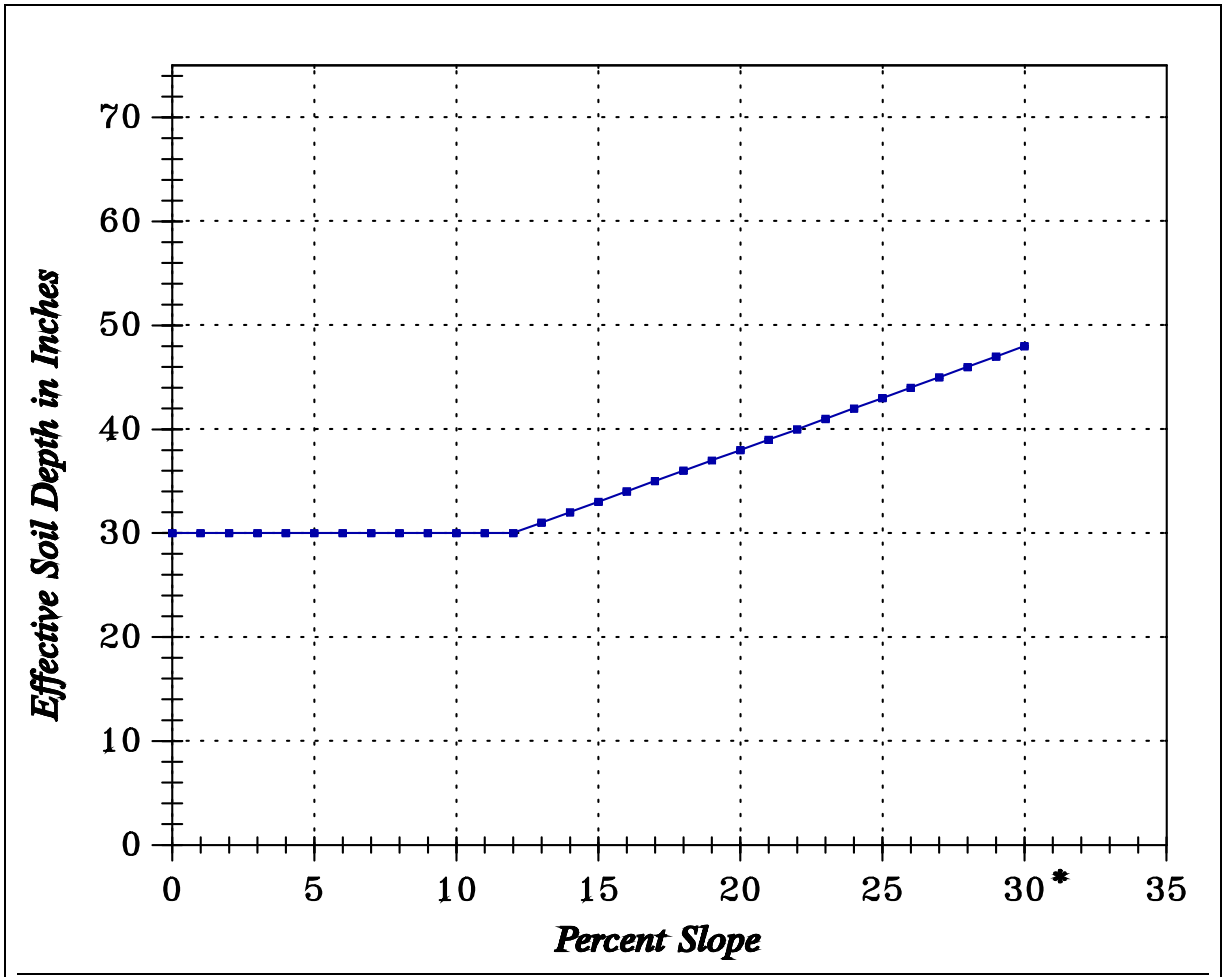
**TABLE 2**  
**OAR 340-071-0220**  
**QUANTITIES OF SEWAGE FLOWS**

Type of Establishment		Column 1	Column 2
		Gallons Per Day	Minimum Gallons Per Establishment Per Day
Airports		5 (per passenger)	150
Bathhouses and swimming pools		10 (per person)	300
Camps: (4 Persons per Campsite, where Applicable)	Campground with central comfort stations	35 (per person)	700
	With flush toilets, no showers	25 (per person)	500
	Construction camps — semi-permanent	50 (per person)	1000
	Day camps — no meals served	15 (per person)	300
	Resort camps (night and day) with limited plumbing	50 (per person)	1000
	Luxury camps	100 (per person)	2000
Churches		5 (per seat)	150
Country clubs		100 (per resident member)	2000
Country clubs		25 (per non-resident member present)	—
Dwellings:	Boarding houses	150 (per bedroom)	600
	Boarding houses — additional for non-residential boarders	10 (per person)	—
	Rooming houses	80 (per person)	500
	Condominiums, Multiple family dwellings — including apartments	300 (per unit)	900
	Single family dwellings	300 (not exceeding 2 bedrooms)	450*
	Single family dwellings — with more than 2 bedrooms	75 (for third & each succeeding bedroom)	450
Factories (exclusive of industrial wastes — with shower facilities)		35 (per person per shift)	300
Factories (exclusive of industrial wastes — without shower facilities)		15 (per person per shift)	150
Hospitals		250 (per bed space)	2500
Hotels with private baths		120 (per room)	600
Hotels without private baths		100 (per room)	500
Institutions other than hospitals		125 (per bed space)	1250
Laundries — self-service		500 (per machine)	2500
Mobile home parks		250 (per space)	750
Motels — with bath, toilet, and kitchen wastes		100 (per bedroom)	500
Motels — without kitchens		80 (per bedroom)	400
Picnic Parks — toilet wastes only		5 (per picnicker)	150
Picnic Parks — with bathhouses, showers, and flush toilets		10 (per picnicker)	300
Restaurants		40 (per seat)	800
Restaurants — single-service		2 (per customer)	300
Restaurants — with bars and/or lounges		50 (per seat)	1000
Schools:	Boarding	100 (per person)	3000
	Day — without gyms, cafeterias, or showers	15 (per person)	450
	Day — with gyms, cafeterias and showers	25 (per person)	750
	Day — with cafeteria, but without gyms or showers	20 (per person)	600
Service Stations		10 (per vehicle served)	500
Swimming pools and bathhouses		10 (per person)	300
Theaters:	Movie	5 (per seat)	300
	Drive-In	20 (per car space)	1000
Travel trailer parks — without individual water and sewer hookups		50 (per space)	300
Travel trailer parks — with individual water and sewer hookups		100 (per space)	500
Workers:	Construction — as semi-permanent camps	50 (per person)	1000
	Day — at schools and offices	15 (per shift)	150

\* Except as otherwise provided in these rules.

**TABLE 3**  
**OAR 340-071-0220**

**SLOPE, EFFECTIVE SOIL DEPTH RELATIONSHIP**



\* When slope exceeds 30 percent, rules on steep slope system apply. (refer to OAR 340-071-0310)

**TABLE 4**

**OAR 340-071-0220**

Minimum length of absorption trench (linear feet) required per 150 gallons projected daily sewage flow determined from soil texture versus effective soil depth.			
Effective Soil Depth	Soil Group		
	A	B	C
18" to Less than 24"	125	150	175
24" to Less than 36"	100	125	150
36" to Less than 48	75	100	125
48" or more	50	75	125

\* Soil Group A — Sand, Loamy Sand, Sandy Loam.  
Soil Group B — Sandy Clay Loam, Loam, Silt Loam, Silt, Clay Loam.  
Soil Group C — Silty Clay Loam, Sandy Clay, Silty Clay, Clay.  
\* If sand grains are fine or very fine, site according to Group B soils.

**TABLE 5**

**OAR 340-071-0220**

Minimum length of absorption trench (linear feet) required per 150 gallons projected daily sewage flow determined from soil texture versus depth to temporary groundwater.			
Depth to Temporary Groundwater	Soil Group		
	A	B	C
24" to Less than 48"	100	125	150
48" or More	50	75	125

\* Soil Group A — Sand, Loamy Sand, Sandy Loam.  
Soil Group B — Sandy Clay Loam, Loam, Silt Loam, Silt, Clay Loam.  
Soil Group C — Silty Clay Loam, Sandy Clay, Silty Clay, Clay.  
\* If sand grains are fine or very fine, site according to Group B soils.

