

SETBACK DISTANCE CHART

The design of the On-Site Wastewater Treatment Facility shall comply with the setbacks indicated below.

Features Requiring Setbacks	Setback For An On-Site Wastewater Treatment Facility, Including Reserve Area (In Feet)	Special Provisions
1. Building/Structure	10	Includes porches, decks, and steps (covered or uncovered), breezeways, roofed patios, carports, covered walks, and similar structures and appurtenances.
2. Property line shared with any adjoining lot or parcel not served by a common drinking water system* or an existing drinking water well	50	<p>A person may reduce the setback to a minimum of 5 feet from the property line if:</p> <ul style="list-style-type: none"> a. The owners of any affected undeveloped adjacent properties agree, as evidenced by an appropriately recorded document, to limit the location of any new well on their property to at least 100 feet from the proposed treatment works and primary and reserve disposal works; and b. The arrangements and documentation are approved by the Department. <p>* A "common drinking water system" means a system that currently serves or is under legal obligation to serve the property and may include a drinking water utility, a well-sharing agreement, or other viable water supply agreement.</p>
3. All other property lines.	5	None
4. Public or private water supply well.	100	None
5. Perennial or intermittent stream	100	Measured horizontally from the high water line of the peak streamflow from a 10-year, 24-hour rainfall event.
6. Lake, reservoir, or canal	100	Measured horizontally from the high water line from a 10-year, 24-hour rainfall event at the lake or reservoir.
7. Drinking water intake from a surface water source (includes an open water body, downslope spring or a well tapping streamside saturated alluvium)	200	Measured horizontally from the on-site wastewater treatment facility to the structure or mechanism for withdrawing raw water such as a pipe inlet, grate, pump, intake or diversion box, spring box, well, or similar structure.
8. Wash or drainage easement with a drainage area more than 20 acres (washes with a peak discharge rate of 50 cfs or greater will be assumed to have a drainage area more than 20 acres without further evidence)	50	Measured horizontally from the nearest edge of the defined natural channel bank or drainage easement boundary. A person may reduce the setback to 25 feet if natural or constructed erosion protection is approved by the appropriate floodplain administrator. Natural erosion protection will be evaluated based the Arizona State Standard 5-96 recommended setback to a watercourse utilizing the minimum 25' setback or recommended setback to a watercourse, whichever distance is greater.

Features Requiring Setbacks	Setback For An On-Site Wastewater Treatment Facility, Including Reserve Area (In Feet)	Special Provisions
9. Water main or branch water line	10	None
10. Domestic service water line and water holding tanks	5	<p>Measured horizontally between the water line and the wastewater pipe, except that the following are allowed:</p> <ul style="list-style-type: none"> a. A water line may cross above a wastewater pipe if the crossing angle is between 45 and 90 degrees and the vertical separation distance is 1 foot or more. b. A water line may parallel a wastewater pipe with a horizontal separation distance of 1 foot to 5 feet if the bottom of the water line is 1 foot or more above the top of the wastewater pipe and is in a separate trench or on a bench in the same trench.
<p>11. Downslopes or cut banks greater than 15 percent, culverts, ditches, and small washes or concentrated drainage (washes with a peak discharge rate of 11-49 cfs) from:</p> <ul style="list-style-type: none"> a. Treatment works components b. Trench, bed, chamber technology, or gravelless trench with: <ul style="list-style-type: none"> i. No limiting subsurface condition specified in R18-9-A310(D)(2), ii. A limiting subsurface condition. c. Subsurface drip lines. 	<p>10</p> <p>20</p> <p>50</p> <p>3</p>	<p>A person may reduce the setback if system design places the components beneath the lowest finished or natural grade elevation of the downslopes or cut banks greater than 15 percent, culverts, ditches, and small washes or concentrated drainage. The depth of the system must include the minimum depth of cover below that finished or natural grade elevation. The Department advises a minimum of a 5' setback distance for systems that qualify under a reduced setback distance.</p> <p>Measured horizontally from the bottom of the treatment works component to the closest point of daylighting on the surface.</p> <p>Measured horizontally from the bottom of the lowest point of the disposal pipe or drip lines, as applicable, to the closest point of daylighting on the surface.</p> <p>Measured horizontally from the bottom of the lowest point of the disposal pipe or drip lines, as applicable, to the closest point of daylighting on the surface.</p>
12. Driveway	5	Measured horizontally to the nearest edge of an on-site wastewater treatment facility excavation. A person may place a properly reinforced and protected wastewater treatment facility, except for disposal works, at any location relative to a driveway if access openings, risers, and covers carry the design load and are protected from inflow.
13. Swimming pool excavation	5	Except if soil loading or stability concerns indicate the need for a greater separation distance.

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14. Easement (except drainage easement)	5	None
15. Earth fissures	100	None
16. Sidewalks, pavement, concrete pads, block walls, and similar development	5*	None
17. Floodway	≥0	Must meet setbacks provided in setback item #8.
18. Retention Basin (Incorporated land) Retention Basin (Unincorporated land)	20 25	Must meet setbacks provided in setback item #11 or municipal requirements, whichever distance is greater. Maricopa County Zoning Ordinance, Chapter 12, 1205.7.6.2.d.
19. Storm System a. Storm-water holding tank b. Storm-water disposal field	5* See note*	Three times the minimum average separation distance as required between on-site wastewater treatment facility disposal fields.
20. Small washes or concentrated drainage (washes with a peak discharge rate of 1-10 cfs)	1*	None

*Suggested setback distances to ensure proper operation and protection of the listed features and the on-site wastewater treatment facility