

The following information has been taken from **Georgia Code (Law)** regarding well construction.

Category	Public Well	Private Well
Abandonment	Fill within 30 days of excavation	Must be filled, sealed, & plugged within 30 days of excavation or disuse
		To be filled, sealed, & plugged by present owner of well or borehole
		Wells considered to be permanently abandoned when it has not been used for > 3 years.
		Wells considered to be temporarily abandoned when it has not been used for >1 year and < 3 years
Access Ports and Tubes	No standard specified	No standard specified
Drilling Fluid	Drilling fluids to be from an uncontaminated source or disinfected	No standard
	Dug, bored, or jetted wells are prohibited for all new public water systems	No standard
	Maintain tools & equipment in a sanitary manner	No standard
Slab	Slab to extend 2 ft. in all directions and slope away from casing	
	Well must have a concrete slab with 6 in. thickness surrounding well casing	
Annular Space		To be grouted to prevent entrance of pollutants
Base	No standard specified	No standard specified
Caps	No standard specified	No standard specified
Category	Public Well	Private Well
Casing	Must be new	To be new
	Outer casing to extend at least 5 ft. into first solid, unweathered or impervious subsurface	No
		Shall be steel, plastic, or concrete and meet nationally accepted standards for well casing
	Shall have minimum length of 25 ft. from ground surface into water-bearing crystalline rocks	no
	No	Shall not use sewer pipe

	To extend at least 12 in. above concrete slab of floor	
	To have length of 50 ft. in a well excavated into sedimentary water-bearing formations	
Joints	To be watertight and extend entire length of drilled wells	To be watertight entire casing length in drilled wells
		To be watertight to the point of maximum drawdown in bored or driven wells
Steel	To conform to ASTM A120 or A53 or to API 5L or 5LS	
Plastic	Must be approved by Division	
	Shall not extend to depth >300 ft. below ground surface	
	To meet ASTM Standard F480	
Construction		All wells to be curbed at surface by owner with watertight curbing of concrete
		Curbing must be at least 4 in. thick and extend at least 2 ft. in all directions from casing
Cross Connections	Conform to Standards of AWWA Manual 14 & EPA Cross-Connection Manual	No Standard Specified
Category	Public Well	Private Well
Disinfection	After disinfection, well must be pumped until no trace of chlorine remains in water	Disinfect following construction, or repair before placing in service
	Disinfect pump & pumping equipment before they are serviced	
		Minimum contact time of 2 hours before pumping of well
	Must occur in accordance with AWWA Standard C654	
	Must occur prior to pumping test with a chlorine solution under pressure	
	Produce minimum chlorine residual of 50 ppm in 6 hours	
		Well & equipment to be disinfected with chlorine so that 50 ppm of chlorine is obtained
Electrical Connections	NSS	NSS
Fracturing	NSS	NSS

Gravel		Be clean, disinfected, and free of organic matter
	To be washed, free of organic matter, & composed well-rounded particles	Consist of siliceous, well-rounded, smooth, uniform grain particles.
Gravel/Sand Packed Wells	NSS	NSS
Grout	Cement grout protective casing entire length with a cement slurry	
	Place under pressure from bottom of annular space up to earth's surface	
	Slurry to not consist of >6 gal water to 1 cubic ft. of cement plus additives	
	Subsurface construction to cease for at least 24 hours after grouting	
		To be neat or sand-cement grout or other impervious material
		Wall thickness to not be <1.5 in. at any point
Housing	To enclose water treatment equipment	No Standard Specified
Identification	No Standard Specified	No Standard Specified
Category	Public Well	Private Well
Licensing	Construction to be done by a licensed water well contractor in the State of Georgia	Must be a licensed water well contractor to construct wells
		May apply for a trainee license in order to complete 2 years of experience under supervision
		May have to complete no more than 4 continuing education hours annually
		Must have 2 years of experience & pass an examination administered by the council
	Owner must retain a Professional Engineer registered in Georgia to prepare plans & specifications	
Location	Do not locate in floodplain unless measures have been taken to prevent submergence of casing & equip	
	Locate as far removed as possible from all open abandoned wells	
		Locate as far removed from potential contaminants and in opposite direction of ground-water flow
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		Wells must not be subject to flooding
Sewer Line	Sewer Line 10 ft	Sewer Line 10 ft
Cess Pool		Cess Pool 150 ft

Seepage Pit		Seepage Pit 150 ft
Septic Tank	Septic Tank 50 ft	Septic Tank 50 ft
Septic Tank Field	Septic Tank Absorption Field 100 ft	Septic Tank Absorption Field 100 ft
Barnyard		Barnyard 100 ft
Solid Waste Disposal Site	1000 ft. and not in direction where ground water flow will be intercepted by the well.	
Category	Public Well	Private Well
Maintenance and Repair	NSS	NSS
Permitting	Must obtain permit from Director	NSS
Plumbness and Alignment	NSS	Installation & operation of pump not to be impaired
Pumps	Concrete block to extend at least 12 in. above concrete slab	NSS
	Discharge Pipe to have raw water-sampling tap	NSS
	For turbine pump installations, concrete block to support pump motor must be constructed around casing	NSS
	Outer casing to extend at least 1 in. above pump motor block	
	Protect from unauthorized entry with enclosed shelter or fence	
	Well head & pump base to be sealed & vented by screened riser pipe	
Screens	Must be new	
		Must withstand chemical and physical forces
		Permit optimum development of aquifer with minimum head loss
	Plastic screens to be approved by Division	
		Prevent clogging or jamming
Seals		Individual wells- 10 ft
		Minimum depths below ground surface
	No Standard Specified	
		Nonpublic wells- 25 ft. in igneous or metamorphic rock
		Nonpublic wells- 50 ft. in sedimentary rock
Testing	NSS	NSS
Vents	NSS	NSS

