

**Well Siting Criteria**  
**Madison Water Utility**  
**Pressure Zone 4**

**WDNR Criteria (NR 811.16)**

- **Property Requirements:** Minimum property size: 100' x 100', well to be located in center of property and/or 50 feet from property boundary
- **Floodway Restrictions:** Wells may not be constructed within the floodway, but may be constructed within the floodplain if the pump house floor is 2 feet above the flood elevation and there is dry land access to the pump house.
- **Minimum Separation Distances:**
  - Storm sewer main - 50 feet
  - Sanitary sewer main, manhole or lift station, or residential fuel oil tank – 200 feet
  - Septic tank or soil absorption unit receiving less than 8,000 gallons per day, cemetery or stormwater drainage pond – 400 feet
  - Commerce approved gasoline or fuel oil storage tank – 600 feet
  - Land application of municipal, commercial or industrial waste, petroleum contaminated soil landspreading area, municipal, commercial or industrial waste water lagoons or storage structures, manure stacks or storage structures, and septic tanks receiving 8,000 gallons per day or more – 1,000 feet
  - Any solid waste storage, transportation, transfer, incineration, air curtain destructor, processing, wood burning, one time disposal or small demolition facility; sanitary landfill; any property with residual groundwater contamination that exceeds ch. NR 140 enforcement standards that is shown on the department's geographic information system registry of closed remediation sites; coal storage area; salt or deicing material storage area; gasoline or fuel oil storage tanks that have not received written approval from the department of commerce or its authorized agent under ch. Comm. 10; bulk fuel storage facilities; and pesticide or fertilizer handling or storage facilities – 1,200 feet.

**Madison Water Utility Criteria**

- **Water Quality:** Compliance with EPA primary and secondary standards without treatment (controlled by aquifer characteristics and proximity to contaminant sources)
- **Water Quantity:** Projected well yield of 2,000 gallons per minute (controlled by aquifer characteristics)
- **Lot Size:** Minimum lot size 0.5 to 1 acre, preferably 1 acre
- **Location to Existing Infrastructure:** Near to existing major water pipes. Preferably within 0.5 mile of one 16" pipe or two 12" pipes
- **Well Separation:** Typical ½ to 1-mile separation from other municipal wells
- **Property Availability:** Property is available for purchase or use by City of Madison at reasonable cost. Preferable to use City owned land if other criteria are met.

**Community Criteria**

- **Land Use Compatibility:** Compatible with surrounding land use



