Are you considering irrigation?

- WILL you be pumping at or above 500 Gallons per Minute (gpm)?
- ARE there nearby Private Wells, Other High Capacity Wells or Industrial Wells?

Know your well’s geology, aquifers & water-bearing formations:
- Bedrock - dolomite, limestone, sandstone
- Alluvial or Buried sands and gravel
- Protected aquifers such as:
  - Jordan Sandstone (Ordovician)
  - Devonian Limestone
  - Silurian Dolomite
  - Dakota Sandstone (Cretaceous)

WHY is this IMPORTANT?

... Protect your well

... Protect your neighbor’s well

... Protect Iowa’s Ground Water Resources

To Obtain a Water Use Permit for a High Capacity Well

- Provide map of proposed irrigation well site
- Provide map inventory of wells and well construction details within a 1 mile radius
- Contact us prior or during construction for pump testing guidance based upon your geological setting
- Submit results of any required pump testing – including production well and observation well(s)
What Permits do you need?

- County Private Well Construction Permit
  - Your local Iowa Certified Well Driller

- DNR Water Use & Allocation Permit
  - DNR – Water Supply Engineering – Water Use & Allocation Team

Contact:

DNR Water Supply Engineering
Water Allocation & Use (WSE-WAT)
http://www.iowadnr.gov/Environmental-Protection/Water-Quality/Water-Supply-Engineering/Water-Allocation-Use

Michael K. Anderson, PE, Senior Engineer
(515) 725-0336

Deborah R. Williams, Geologist III
(515) 725-1644
wateruse@dnr.iowa.gov

Additional Resources for:

DNR – Private Well Program
http://www.iowadnr.gov/Environmental-Protection/Water-Quality/Private-Well-Program

Erik Day, Environmental Specialist Senior
(515) 725-0237

Well Mapping Resources
Iowa Geological Survey - GEOSAM
https://geosam.iihr.uiowa.edu/home

Iowa DNR - Technical Bulletin 23.1 – SD 0014