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JAMES M. ROBERTSON
DIRECTOR AND STATE GEOLOGIST

March 8, 2012

Kay Rutledge
City of Madison Parks Division
City-County Building, Suite 104
210 Martin Luther King Jr. Blvd
Madison, WI 53703

Dear Kay,

This letter describes my request to place one temporary groundwater monitoring well at Lake Edge Park, near the corner of Park Court and Maher Road. The proposed well is one of about twenty that we are installing in Dane County to monitor the quality of shallow groundwater near public water supply wells. The EPA is finding this project; the purpose is to determine if leaking sanitary sewers affect drinking water quality near public water supply wells. Lake Edge Park is a preferred location for our study because there are two existing monitoring wells in the park, completed to depths of 240 and 270 feet. Water samples collected from these monitoring wells and the Utility's supply wells will be monitored for constituents of sanitary sewer discharge.

We hope to install the temporary monitoring well early this spring. As shown in Figure 1, the well will be constructed with 2-inch Schedule 80 PVC to a depth of about 70 feet. The PVC pipe would be protected by a 6-inch diameter lockable steel casing extending 3 feet above ground, as are the existing wells. The attached a photo of the existing wells shows the single steel casing that protects both the PVC wells. We would keep the grass trimmed around the protective casing, and we would restore the turf to initial conditions if there is any disturbance during drilling (such as wheel ruts).

We plan to sample groundwater from the monitoring wells twice a month for a year. Following the project, in the fall of 2013, we would abandon the temporary well according to state regulations. The steel casing will be removed to a depth of three feet below ground, and the site would be restored to its initial condition. We do not plan to remove the existing wells and casing- it is part of our state-wide groundwater monitoring network. These wells provide important information about groundwater resources in the City of Madison.

Figure 2 shows a general proposed location within the park. If the Parks Commission and Alder Palm are agreeable to hosting the wells, we would walk the site with you and/or Alder Palm to select an exact location. We would contact Driller's Hot Line to ensure that we are away from underground utilities.

Thanks for your consideration,



Madeline Gotkowitz
Hydrogeologist

Figure 1. Photo shows existing well in the park. The new, temporary well (below, right) would not have a concrete pad.

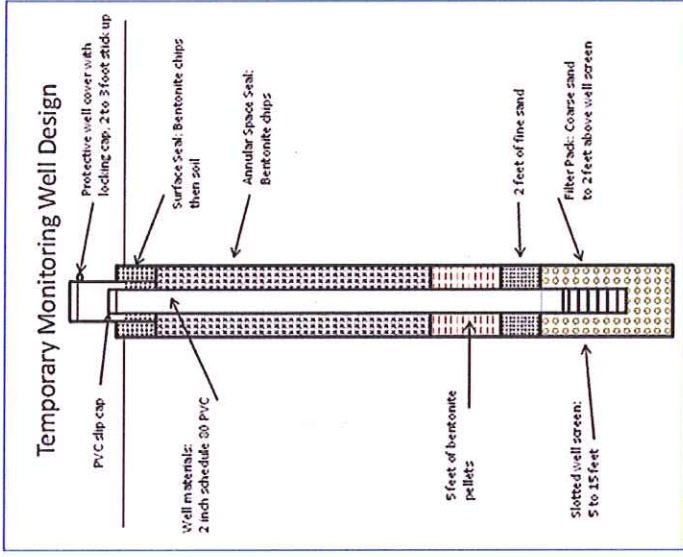


Figure 2. Map of Lake Edge Park. Red circle indicates proposed location of temporary well.