



**FARMERS  
BRANCH**

**MEMORANDUM**  
**COMMUNITY SERVICES**

March 26, 2014 UPDATE

In February, flow measurements were taken from the entry point of Vitruvian Park to the exit point at the dam on three (3) different days. The results indicate that water gains, not seepage losses, are occurring in Vitruvian Park. This is good news as the results indicate that the springs in the creek are flowing and have not been plugged by a clay liner. The Town of Addison also provided geotechnical data which indicated that the creek did not have a clay liner installed.

The water well was tested on three (3) different days in February and the laboratory results indicate that the water well does not meet the stream water quality standards required by the State of Texas and the Texas Commission on Environmental Quality (TCEQ). Below is a table which summarizes the water well results for parameter exceedances:

| Date    | Parameter              | Result mg/l | TCEQ Limit for FB Creek mg/l |
|---------|------------------------|-------------|------------------------------|
| 2/6/14  | Total Dissolved Solids | 2010        | 500                          |
| 2/7/14  | Total Dissolved Solids | 2110        | 500                          |
| 2/10/14 | Total Dissolved Solids | 2390        | 500                          |
| 2/6/14  | Chloride               | 578         | 80                           |
| 2/7/14  | Chloride               | 573         | 80                           |
| 2/10/14 | Chloride               | 567         | 80                           |
| 2/6/14  | Sulfate                | 444         | 60                           |
| 2/7/14  | Sulfate                | 436         | 60                           |
| 2/10/14 | Sulfate                | 428         | 60                           |

Staff sent the results as we received them to the Town of Addison and communicated that the discharge from the water well did not meet State of Texas Surface Water Quality Standards. The water well could still be utilized to discharge water into Farmers Branch Creek. However, the permittee will need to receive proper authorization(s) from the TCEQ including demonstrating that the water well discharges will meet instream water quality standards and protection of stream ecology.

TRC, the environmental consultant retained by the City to conduct the creek flow study, is near completion of the creek flow study and will present its report to the City Council on April 15, 2014.