

# Bellevue Family YMCA Pool

## Bellevue, WA



Problem	Challenges	Solution	Outcome
<ul style="list-style-type: none"> <li>• Unusually high water bills.</li> <li>• Cracks at the edge and between the small tiles.</li> <li>• Tiles were removed and cracks in the bottom were found.</li> <li>• 1" holes were drilled at the end of each crack indicated voids</li> <li>• Ground Works was called in to estimate repair costs.</li> </ul>	<ul style="list-style-type: none"> <li>• Work was to be completed in one day so that the remaining work could begin the next day.</li> <li>• At the beginning of the project we use the string line to show the pool had been constructed with a dip in the center to allow the pool to drain.</li> <li>• Minimize damage to the tiles to speed the balance of the repair to the bottom of the pool.</li> </ul>	<ul style="list-style-type: none"> <li>• A 4x4 grid pattern was drilled to accept method injections.</li> <li>• Injections were made using URETEK 486 GD to provide void filling ,support, and under seal to the bottom of the pool.</li> <li>• During the injection process materials often times surfaced in the adjacent holes.</li> <li>• The settlement of the center of the pool proved to be incorrect.</li> </ul>	<ul style="list-style-type: none"> <li>• Problem permanently solved in one work shift resulting in pool opening ahead of schedule.</li> <li>• No interruption Y's normal daytime activities.</li> <li>• Non-invasive solution resulted in minimal restoration for the pool</li> <li>• Close laser monitoring resulted the positive completion of the desired void fill and floor stabilization .</li> </ul>