



## Stream Diversion and Repair

City of Sharonville, OH \$280,000

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**Overview:** Due to high flow rates and severe erosion, WQSi was hired to repair the creek beds for Sharon Creek in the City of Sharonville, Ohio. We cleared the area, diverted the stream, and installed rip/rap gabion baskets along the banks of the stream. We installed “Ashlar” finish T-Walls along the banks of the stream with the high potential of a road wash out. Because the stream was next to the community center, two elementary schools, a busy road, and right in front of the Mayor of Sharonville’s home, scheduling and road closures were a vital part of this project.

### **Scope:**

- Stream Diversion
- Installation of Rip Rap
- Installation of Gabion Baskets
- Installation of T-Wall
- Clearing and Grubbing
- Traffic Control

### **Key Issues:**

- Limited Working Area
- Health & Safety
- Working in School Zone
- Working with Multiple City/Public Organizations

### **Lessons Learned:**

The specified supplier for the T-Wall (a precast structure) provided a product that didn’t meet the specifications or the submittal they provided. Because of the amount of time to required to re-make the T- Wall, we had to completely change our order of operations to meet the construction schedule. Our quality control inspections saved our company a lot of time and money as the materials were closely inspected against the approved submittal and the flaws were quickly found before all the materials were delivered. Our immediate communication with the City of Sharonville regarding our inspections of the materials and consequent rejection, strengthened an already good relationship.