

# French Drain Installation



## Construction Steps

- Crews dig a roughly 2 ft deep trench that is slightly at a downward slope so water can easily move away from the home with the help of gravity.
- The trench is lined with a plastic tarp and filled with gravel.
- A pipe is placed on top and then covered with more gravel and a filter fabric. The fabric and gravel help prevent soil from clogging the pipe.
- Soil is placed on top or permeable pavers



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## How Do French Drains Work?

- New downspouts installed funnel water into two box drains at each end of the house
- The box drains connect to the underground French Drain
- Water is pushed through perforated pipe dispersing water in the ground
- In some cases, an overflow drain is connected to the French Drain to carry excess water to the street

### Flood Water Storage Improvements:

- Gutter System Retrofit
- Channel Drain
- Catch Basin with Filter
- French Drain

Total capacity of water storage =  
1,577 gallons