

# Gravel Trench Installation

**Phase 1** Crews dig a long, deep trench alongside of the home.



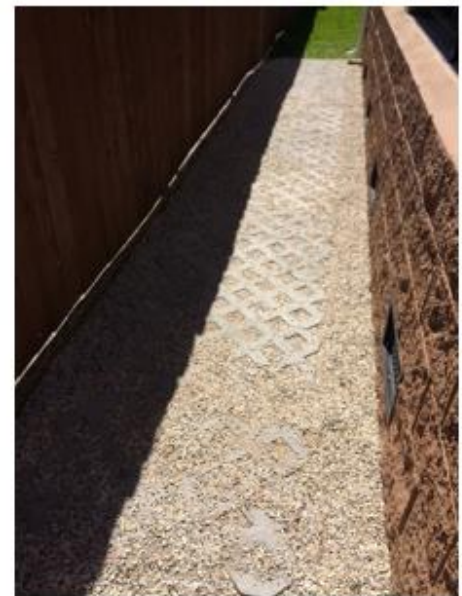
## Phase 2

Trench is filled with a bed of pea gravel and a perforated pvc pipe that will evenly and slowly distribute rainwater throughout the ground.



## Phase 3

A black mesh is placed over top of the perforated pvc pipe to assist with helping slow and distribute rainwater.



### Flood Water Storage Improvements:

- Gutter System Redirect
- Permeable Pavers
- Gravel Trench

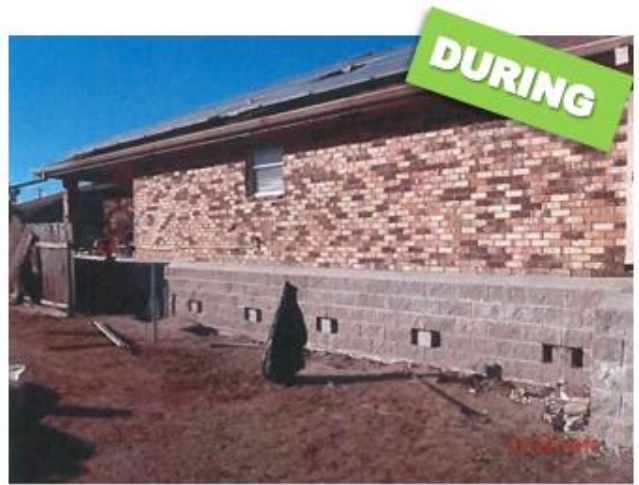
Total capacity of water storage = 653 gallons

## Phase 4

Another layer of gravel is laid down with pervious pavers sitting atop it. The pavers will allow rainwater to move in and around the stone and slowly be absorbed by the multi-layers of green infrastructure beneath.



# Gravel Trench Installation



## Flood Water Storage Improvements:

- Downspouts & Updated Gutters
- Permeable Pavers
- Gravel Trench

Total capacity of water storage = 1,952 gallons



Left: One of two new downspouts installed into the ground. Water flows into a perforated PVC pipe, buried underneath a gravel trench (seen in picture to the right). The pipe disperses water throughout the ground. When the pipe gets too full, the water is directed underground toward the street to drain.

