

**Area to grade for better drainage and finish with new sod.**  
10 to 15 cubic yards clean fill will be used to raise the low area from the garage towards the house.

- Remove un-wanted trees and grid out stump located along fence.
- The area is graded such that drainage is towards the drain opening area. The drain opening area is the lowest elevation in the back yard. 10 to 15 cubic yards of top soil will be brought in to finish grade the area.
- Finish with new sod.

**Materials**

- 10 to 15 cubic yards clean fill
- 10 to 15 cubic yards topsoil
- 200 square yards new sod, new sod as needed

**Area to grade for drainage, top with 2 layers 6 mil black poly, and 3 inches river stone landscape rock. Install new window wells where needed. Area is bordered with paver-edge next to lawn.**

**Install drain pipe** as per drawing. Drain pipe is 4 inch corrugated solid pipe. The drain pipe is installed in a 12 inches deep by 9 inches wide minimum dimensions trench.

**A 2 feet drop exists from the house to the front street.**

- **Excavate drain tile area** Excavated fill is re-used under the sod.
- Install drain opening in rock area using a rock filled trench and perforated drain pipe. (see drawing for "drain water entrance")
- **Install drain tile** Install 4 inch non-perforated drain pipe the length of the drain ditch.
- Install hookups to drain pipe for all down spouts.
- Grade lawn area around drain pipe for drainage away from building
- Install and tamp 6 inch layer excavated fill and sod where drain pipe is under lawn.

**Material used:**

- 6 cubic yards crushed limestone as drainage correction material.
- 300 feet 4 inch non-perforated drain pipe
- 100 feet 4 inch perforated drain pipe with silt sock
- 2-4 inch drain pipe popup emitter
- Downspout hookups as needed
- New sod as needed to repair lawn
- new window wells
- 120 linear feet paver-edge border
- 1200 sq. ft. 6 mil black poly sheeting (enough for 2 layers)
- 7 cubic yards River stone landscape rock
- Landscape fabric and hardwood mulch as needed

**Drain Tile Detail**  
**Excavate trench** - 8 inches wide, 12 inches deep  
6 inch topsoil and sod layer over drain tile

4 inch perforated drain tile in silt sock  
The trench is lined with commercial weight landscape fabric such that the 4 inches 3/8 inch gravel (pea rock) layer and 4 inch perforated drain tile in silt sock are wrapped in fabric. The fabric and gravel improve water management.

**Pavers Patio Area Specifications**  
**723 sq. ft. pavers walk area (3 feet wide and 4 feet wide, walk to grill area and 6 feet diameter grill area)**  
(shown as 723 sq. ft, can be re-sized, priced per sq. ft.)

1. Remove existing concrete walks and haul away.
2. Excavate walk area for a 4 inch crushed rock base, a 1 inch sand base, and a 2-3/8 inch pavers thickness.
3. Install and grade a 4 inch thick compacted crushed rock base. The base is graded for drainage away from the house.
4. Install and grade a 1 inch thick sand base.
5. Install pavers as random cobble pattern. Borders can be installed using other paver product shapes such as brick shape.
6. Compact pavers into sand.
7. Pavers are bordered using paver-edge with 10 inch spikes.
8. The pavers surface is sealed with a sand-lock pavers sealer.

**Materials**

- 9.2 cubic yards of crushed limestone used as base material
- 2.2 cubic yards base sand
- 723 sq. ft Borgert Cobble pavers
- 490 feet paver edge
- 1420 10 inch paver edge spikes
- 7 gallons Surebond joint-sand lock and sealer

**Steps** - Install VERSA-LOK steps with pavers surface. VERSA-LOK wall block steps have a 6 inch rise. Bull nose pavers provide a 13 inch front to back tread. 60 inches wide and same size and height can be achieved.

**Material used:**

- 1 cubic yards of crushed limestone used as base material for footing
- 54 VERSA-LOK wall blocks
- 35 square feet pavers
- 1 Concrete adhesive

(price includes all materials, delivery for materials and labor to complete the job 100%)

Timeline: 1 week notice, 6 to 8 days to complete

Terms: 1/2 down and COD

Access from alley and front



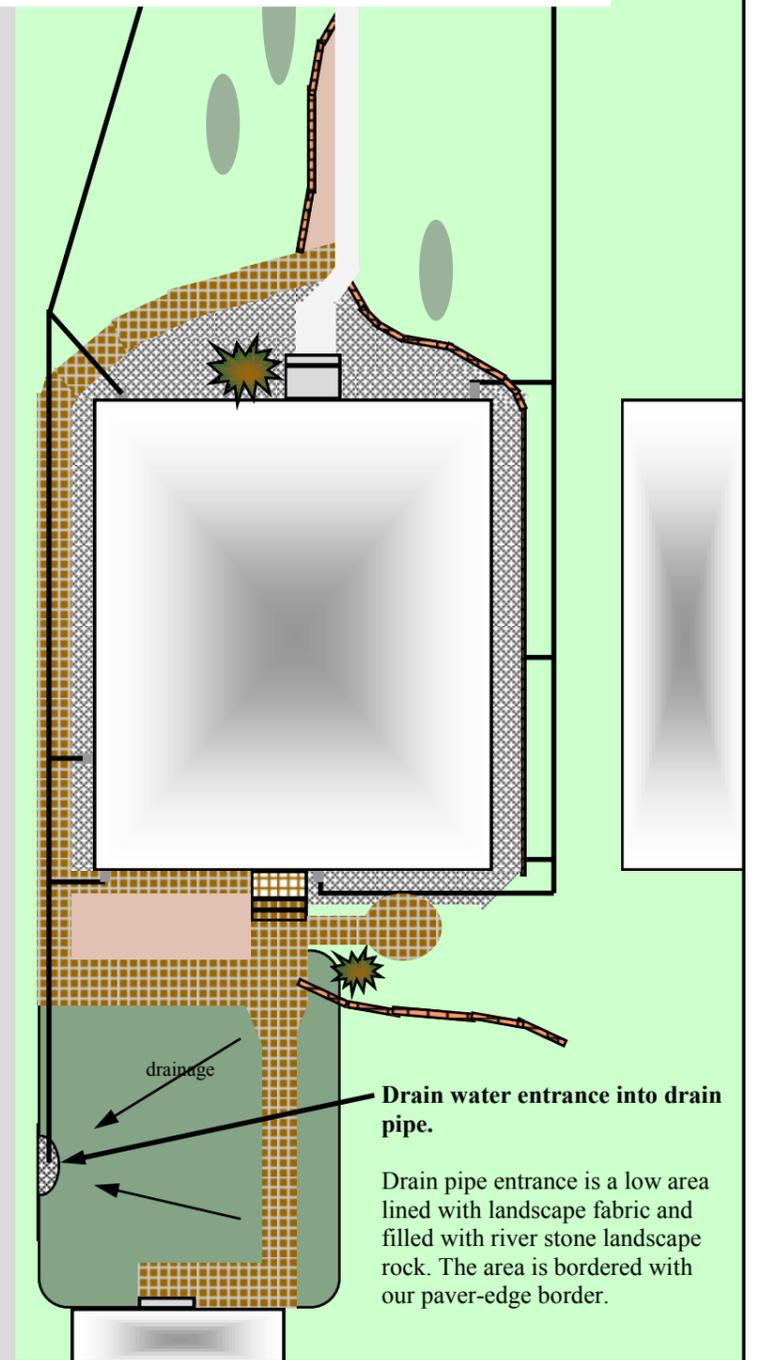
**Decorative concrete border edge**

Borgert Cobblestone pavers The pavers are 6 by 6 inches, available in chestnut, rose creek and charcoal blends, and make excellent borders. Curves are made with the cobble circle pieces.

Pavers Border Edge is installed on a 1 to 2 inch crushed rock base. The border edge is installed such that the surface is at grade or 1/2 inch above grade. This provides a good mowing strip.

# REFERENCE

Installed June 2006



## Decorative Landscapes by Arbor Care

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