



Project Address: 202 Avery Shores Coventry, CT 06238

Problem: Failing retaining wall and standing water / improperly graded back lawn. The improperly graded lawn may be the cause of the failing retaining wall.

Scope of work;

- Silt fence / environmental protection
- Demo existing failing retaining wall
- Install drainage to back lawn / re grade
- Install proper drainage behind new retaining wall
- Construct new retaining wall
- Veneer face of new retaining wall

Drainage solution process;

1. strip top layer of grass and organic materials in entire back yard.
2. excavate 18-24" deep about 3' wide along the house foundation and install a drain parallel with the foundation and fill just short of the top with 3/4" crushed stone wrapped in weed fabric to encourage drainage.
3. excavate 2 trenches at both ends of the house going to the retaining wall to bring ground water away from the house. These pipes would be filled around the pipe with 3/4" crushed stone and wrapped in weed fabric as well. This should solve the ground water and drainage issues at the house and yard as well.
4. bring in new topsoil to properly grade the entire back yard to have a slight slope leading to the retaining wall.

Retaining wall construction process;

1. Demolish and dispose of existing failing retaining wall
2. Excavate new base
3. Compact undisturbed subgrade
4. Install 6-8" of 3/4" processed gravel and compact
5. Form, rebar, and pour 6" thick x1' wide concrete footing
6. Build with hollow core concrete block a 2.75'-3' tall retaining wall and pour hollow core solid with concrete
7. Install drainage behind wall sloping to either end with the center point being the high point. Drainage will exit the face of the wall
8. Veneer with natural stone the face of the concrete wall

