Basic instruction on how to install our retaining wall

**Materials needed for this project**

- 4” socked drain pipe
- Washed #57 drainage aggregate
- ABC/ “crush and run”
- Non-woven filter fabric
- Geogrid

**Instructions**

Walls 4’ or higher may need to be engineered. Proper base preparation is one of the most critical elements of retaining wall construction; the wall is only as stable as the foundation it is built on. If sub-base soils are deemed unstable, contact a qualified geotechnical engineer for remediation. It is also recommended that you check with your local municipality for requirements.

1. Excavate leveling pad (minimum 32”wide) and compact sub-grade to at least 95% Standard Proctor.

2. Place ABC/ “crush and run” into excavated trench and compact in lifts to required thickness.

3. Install one (or more) course(s) of block below finished grade in alternating pattern (ex. 16” – 24” – 16” etc.). Be sure to level in both directions and stagger your vertical seams.

4. Fill backside of wall with impervious fill and compact up to lower finish grade.

5. Install and outlet a 4” socked drain pipe on backside of wall and encase with washed #57 drainage aggregate 16” deep. Drain should extend to daylight and/or through wall.
6. Continue laying wall blocks and install geogrid as recommended.

7. Core fill wall blocks and continue drainage pocket with washed #57 drainage aggregate.

8. Compact backfill over geogrid.

9. Continue to desired height and install cap with weather rated concrete adhesive.