RIDGEROCK DETAILS

FILL WALL
1. Survey and stake SWL location.
2. Perform general excavation for wall.

CUT WALL

STEP 1, WALL LAYOUT AND GENERAL EXCAVATION

STEP 2, LEVELING PAD
1. Ensure trench is excavated sufficiently to create a minimum leveling pad thickness of 6" and to the maximum width shown on the engineered plans.
2. Install stakes with positive gravity flow to outlet.
3. Place, level, and compact leveling pad material for RidgeRock units.

STEP 3, SETTING FIRST RIDGEROCK COURSE
1. Check leveling pad elevation and smooth leveling pad surface.
2. Stake and string line the wall location. Place string lines along back edge of RidgeRock unit, not the split face.
3. Install first course of RidgeRock units. Level each unit. A rubber mallet may be used to seat the units in the leveling pad material and adjust leveling of each course.

STEP 4, BACKFILLING FIRST COURSE
1. Fill all openings in and between blocks with drainage fill.
2. Place drainage fill behind and up to the height of RidgeRock units.
3. More than 12" may be required in areas to maintain 12" minimum compaction.
4. Place and compact fill on top of fill.
5. Compact drainage fill.

STEP 5, SETTING NEXT RIDGEROCK COURSES
1. Ensure drainage stone is not higher than the top of last course.
2. Sweep and fill behind and up to the height of RidgeRock units.
3. Cut geosynthetic to design length and install with strength direction perpendicular to wall face. Extend to top of block.
4. Set next RidgeRock course in a running bond configuration on top of the geosynthetic reinforcement.
5. Push block forward until shear key engages with blocks below.

STEP 6, FILL PLACEMENT ON NEXT COURSES
1. Pull geosynthetic taut. Hold or stake to maintain uniform tension while placing fill.
2. Place drainage fill in and around block and 12" behind block.
3. Place and compact fill soils.
4. Compact drainage fill.

STEP 7, PLACEMENT OF GEOSYNTHETIC
1. Continue wall to full height using steps 5 thru 8.
3. Finish grade with positive drainage away from wall face.
4. Place topsoil and vegetative slopes above and at ends of wall.

STEP 8, BACKFILLING OVER GEOSYNTHETIC

STEP 9, COMPLETE THE WALL

RIDGEROCK RETAINING WALL INSTALLATION PROCEDURE

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