

Porous-Asphalt Parking Lot for Roper Energy Apartments, Blacksburg, Virginia

Layout

- Driveway and parking spaces are porous asphalt.
- Unpaved 2' stone edges serve as a backup stormwater-drain system in case the pavement surface should ever become sealed.

Layers

- All areas should be leveled to 3' below final grade.
- Geotextile material is at bottom and on sides of cavity.
- Perforated 4" drain pipes should be 3' apart at the bottom and joined together to drain to a swale outside the parking area.
- 30" layer of 1" to 3" aggregate or Cornell-University Structural Soil (http://www.hort.cornell.edu/uhi/outreach/pdfs/cu_porous_asphalt.pdf)
- 2" of ½" crushed aggregate.
- 4" of porous asphalt.