

**RADON CONSTRUCTION**  
**EFFECTIVE FEBRUARY 1, 2002**  
**ROCKBRIDGE IS IN ZONE #1**

- USBC: EXEMPTION: Buildings or portions thereof with crawl space foundations, which are ventilated to the exterior, shall not be required to provide radon-resistant construction.
- Sub-Slab Depressurization: Will achieve lower sub-slab air pressure relative to indoor air pressure by use of a fan **ACTIVE** powered vent drawing air from beneath the slab.
- Sub-Slab Depressurization: Will achieve lower air pressure relative to indoor air pressure by use of a vent pipe **PASSIVE** routed through the conditioned space of a building and connecting the sub-slab area with outdoor air and relying solely on convective air flow upward to operate.
- Basement & Slab: Include a layer of permeable sub-slab material (clean gravel) seal joints, cracks, other penetrations provide soil gas retarder under floors (vapor membrane), provide either active or passive depressurization system on grade foundations: 3 inch minimum diameter pipe gas tight "T" into gravel gas tight through floor to vent above roof 12 inches above roof for termination 10 feet from any window or opening less than 2 feet below vent OR internal footing drain loop of pipe with vent through floors to above roof label all pipes at least once per floor system shall be pressure tested above the floor.