

GUIDELINES FOR PROFESSIONAL SERVICES

DIVISION 31 – EARTHWORK

The following items are to be included on the drawings and in the specifications by the Design Professional:

I. SITE CONSIDERATIONS

A. Fill and Grading

1. Excavation and Fill (new construction) – Plan wherever possible for balanced cut and fill to maximize the use of on-site materials and minimize the need for imported fill.
 - a. All fill material used shall be free of any deleterious substances (i.e., Organochlorines, Organophosphates, Arsenic), in excess of the minimum threshold limits as established by the appropriate Governmental Agency such as the Environmental Protection Agency or the Department of Environmental Protection.
2. Site grading elevation shall not be less than 1 foot above any known flood level. Place floor level on new buildings not less than 12” above roads, walks, and site grading around same to preclude any possibility of flooding.
3. Radon – All imported fill materials shall meet the following maximum requirements as established by Dr. Bolch of the Environmental Radiation Group:
 - a. Beneath occupied structures – 2 pci/g or less
 - b. Exterior General Use – 11 pci/g or less
(All imported fill must be certified in writing to be in conformance with the above requirements prior to being deposited on site.)
 - c. Paved parking or roadway areas – no limitation

B. Cement Stabilized Sub-base and Base

1. All sub-base material shall have a minimum LBR 40
2. Soil cement shall not be used under asphalt play courts. Asphaltic base, crushed concrete, or limerock base are acceptable.