

GEOFOAM

What is GeoFoam?

GeoFoam is a lightweight, rigid foam plastic (expanded polystyrene) that has been used around the world as a fill for more than 30 years. EPS GeoFoam is approximately 100 times lighter than most soil and at least 20 to 30 times lighter than other lightweight fill alternatives. This extreme difference in unit weight compared to other materials, makes EPS GeoFoam an attractive fill material. Because it is a soil alternative, GeoFoam embankments can be covered to look like normal sloped embankments or finished to look like a wall. The Geofoam blocks are 3'x4'x8' in size.



Advantages of GeoFoam for highway construction or other void-fill requirements

GeoFoam can be used as an embankment fill to reduce loads on underlying soils or to build highways quickly without staged construction. Other GeoFoam applications include:

Road Embankment Construction

Bridge Abutment Backfill

Retaining Wall Backfill

Road/Parking Lot Insulation

Slope Stabilization

Roadway Sound Barriers

Foundation Fill / Insulation

Plaza Decks

Levees / Dikes / Berms

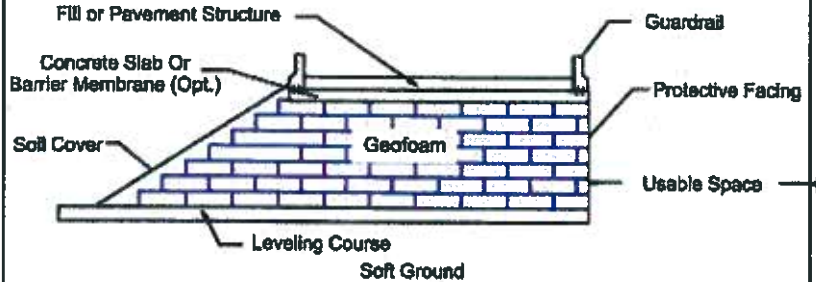
Landscape Design



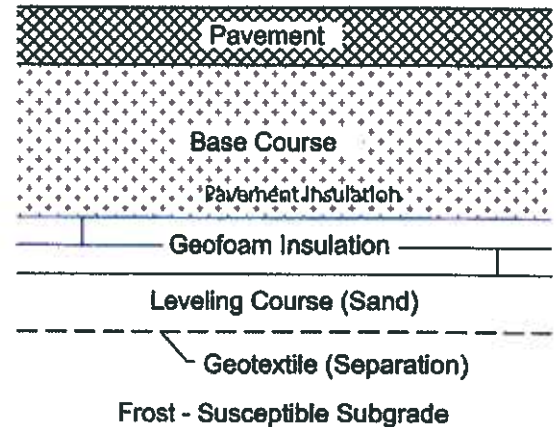
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Examples of GeoFoam Applications

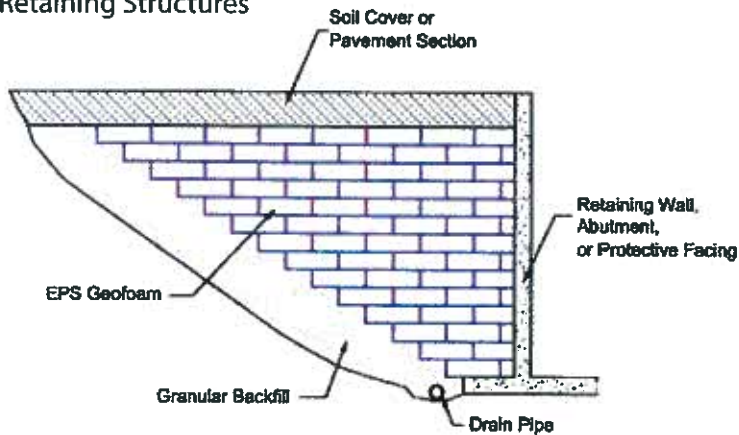
Sloped or Vertical Embankment Side Slopes



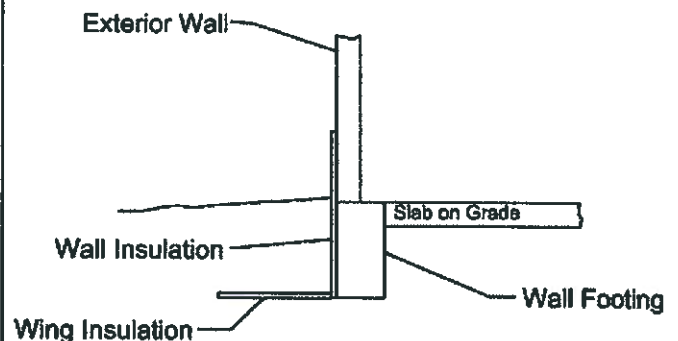
Pavement Insulation



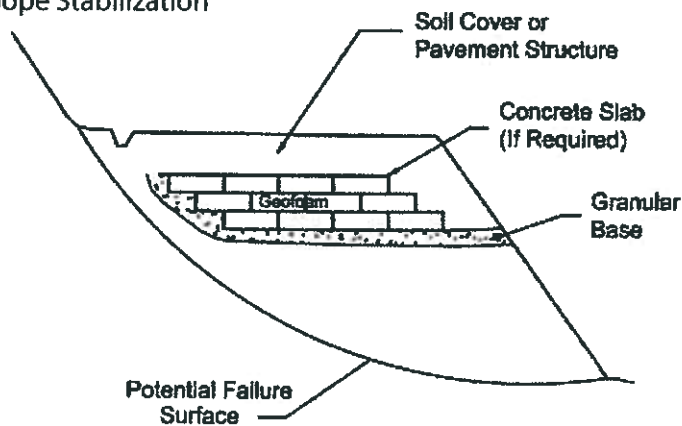
Retaining Structures



Shallow Foundation



Slope Stabilization



National Deployment Goal

According to the US Department of Transportation's Federal Highway Administration, by October 2010, EPS GeoFoam will be a routinely used lightweight fill alternative for State DOT's on embankment projects where the construction schedule is of concern. By October 2011, all states will have evaluated EPS GeoFoam as a lightweight fill alternative.

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