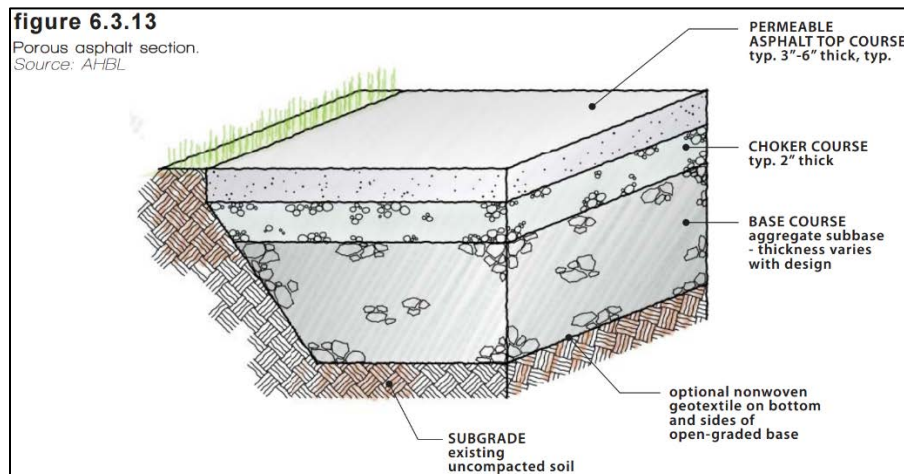


## Module 3.3: Intermediate LID Design: Permeable Pavement

### Section 2: Permeable Pavement Components – Considerations & Criteria

#### Porous Asphalt

- Flexible, non-proprietary
- Similar to conventional asphalt, **but** fines in the mix smaller than ASTM sieve size # 30 sieve are reduced, if not eliminated.
- ~16% voids typical with reduction/elimination of fines (compared to 2-3% for conventional asphalt)
- Typically used for parking lots and where vehicular traffic is light mostly due to inability to withstand rutting (e.g. local access residential roads, trails)
- Recent experiments to incorporate fibers (Kevlar, carbon composite) have proved promising and suggest that these additives can expand porous asphalt applications to heavier traffic conditions.
- Placement of porous asphalt similar to conventional asphalt but needs to be a larger quantity
- Initial infiltration rate of porous asphalt is 200+ inches per hour



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