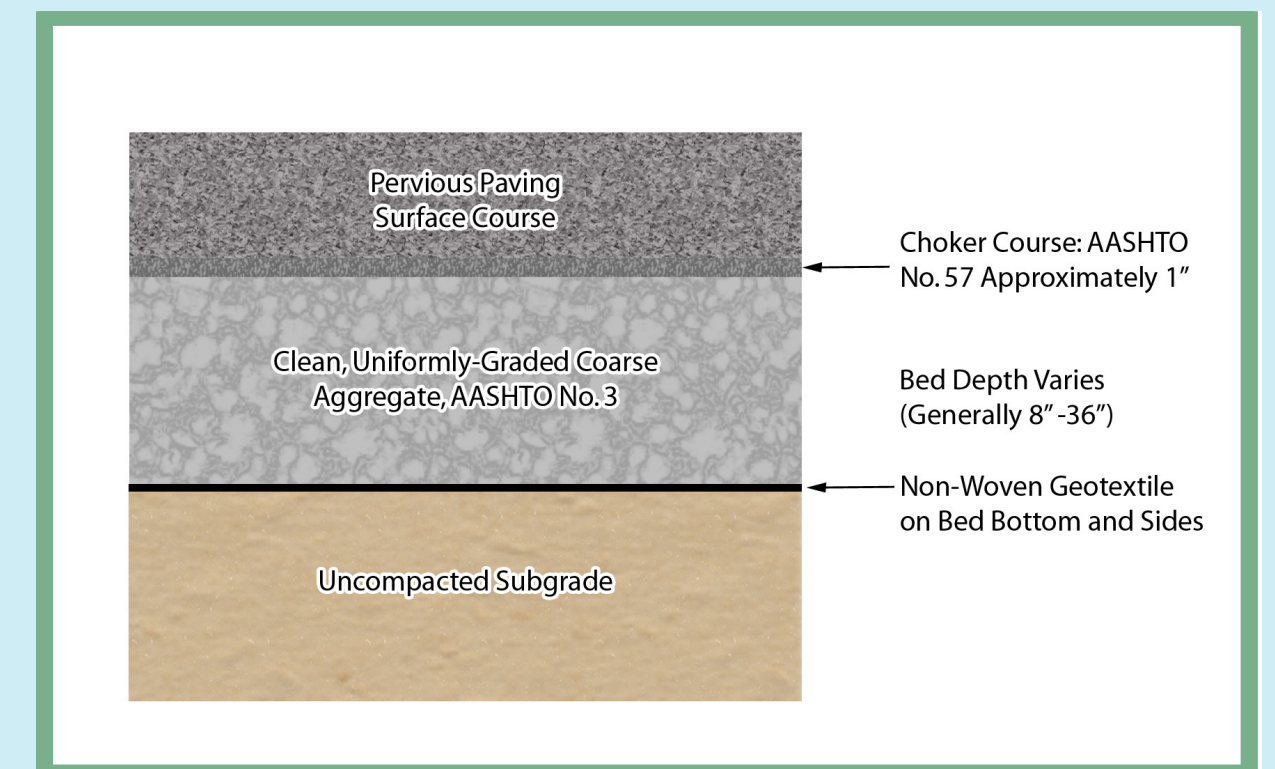
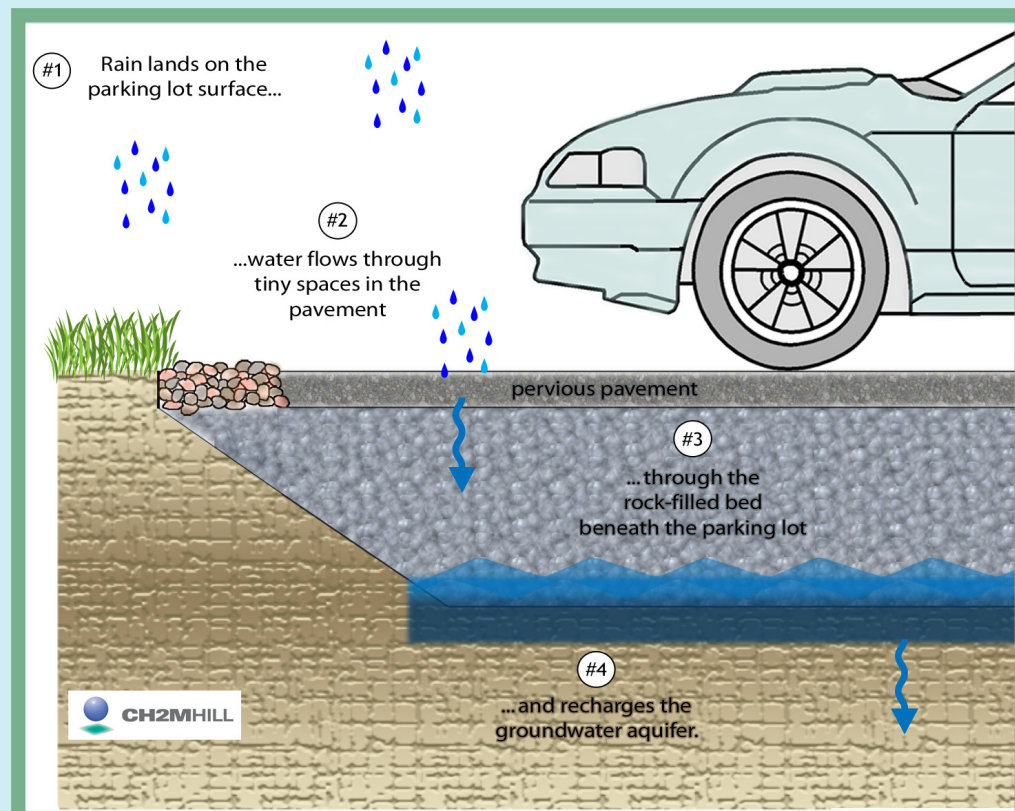


Urban Stormwater Management

POROUS PAVEMENT with

SUBSURFACE STORMWATER BED



- The subsurface infiltration bed located beneath the porous asphalt must be excavated without heavy equipment compacting the bed bottom.
- After grading, the bed is lined with geotextile fabric.



- Perforated pipe is laid in the bed to evenly distribute stormwater runoff from buildings and inlets throughout the bed.



- The infiltration bed is filled with clean, washed, uniformly graded stone with 40% voids.



- Stone aggregate is placed into the infiltration bed.
- Heavy equipment should never compact the finished grade/bed bottom.



- The stone bed is graded with light machinery.
- Choker course is added to sufficiently fill large aggregate space.



- Porous asphalt is laid down similar to standard asphalt.



- Porous asphalt is smoothed with a small roller, with extra care taken to not overcompact the surface.



- Porous AC and standard AC look identical until it rains.
- The only difference between porous and standard asphalt is reduced fines.

Turning a Problem into a Solution....



West Hollywood Municipal Lot in California



Porous Asphalt Highway in Arizona (ADOT Design)



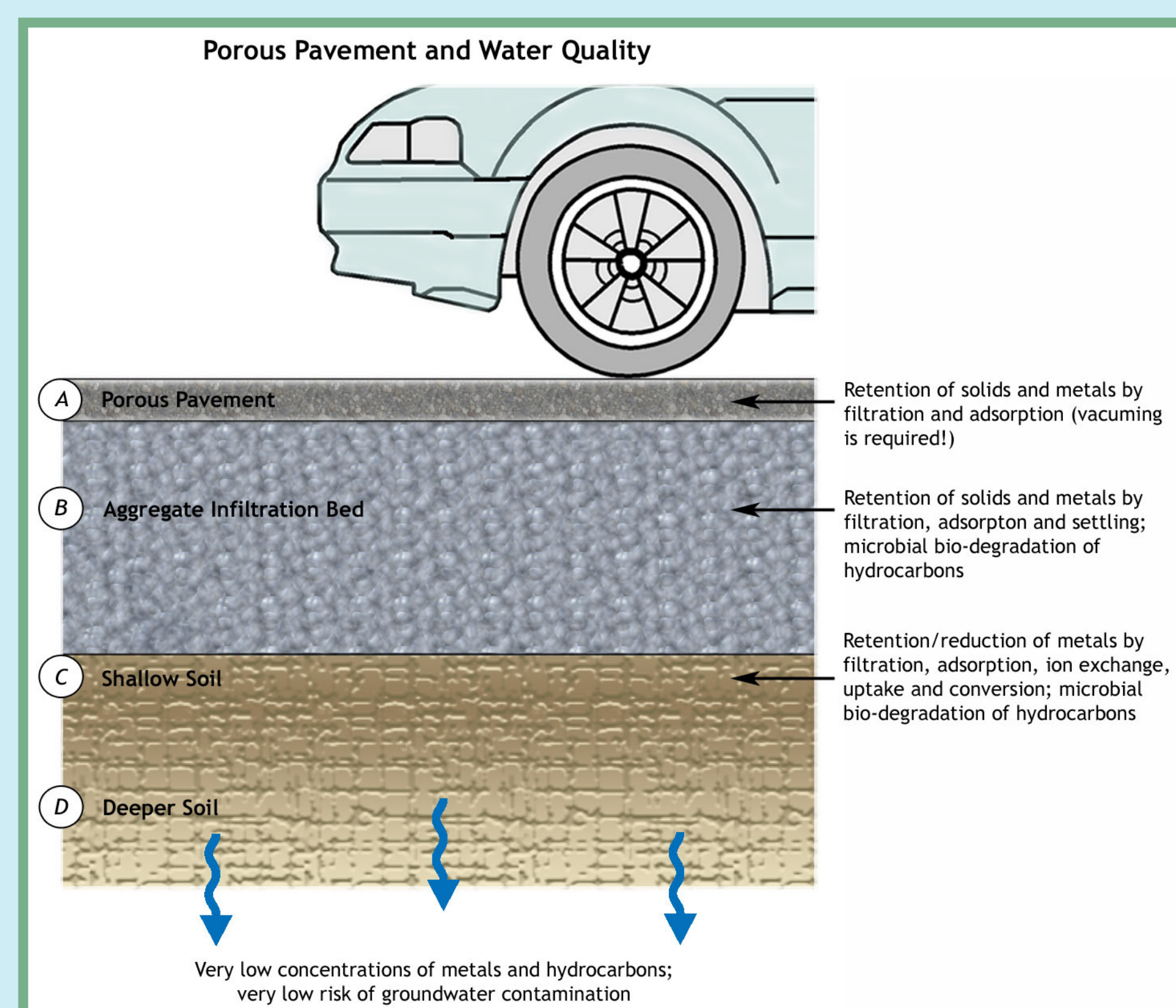
Porous Parking Lot at Ford Motor Co. Rouge Plant, Detroit, Michigan



Porous Pathways at Gray Towers National Park



The Morris Arboretum, Philadelphia, PA



Porous Parking at the University of Rhode Island



Porous Playfield at the Penn-Alexander School, West Philadelphia, PA



Porous Asphalt Parking Lot at the University of North Carolina at Chapel Hill, NC.