

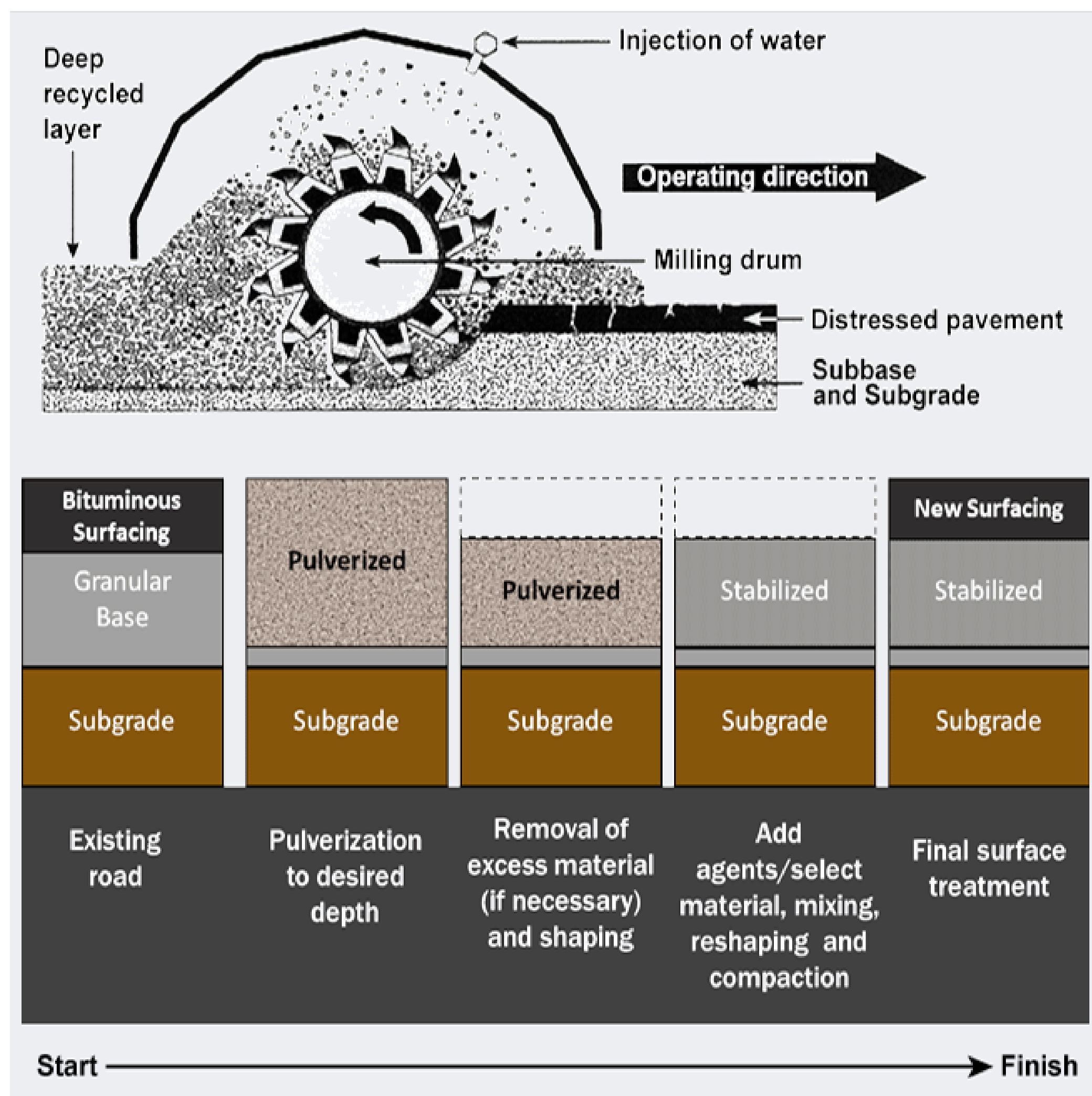
## Sustainability within Concrete and Asphalt Paving Systems

The construction industry is continually determining ways to make the building process more streamlined, cost efficient and, more recently, sustainable. As the commercial construction industry becomes more structured, industry leaders are looking for new ways to make installation of materials and cleanup more environmentally friendly. Construction is responsible for a large portion of the overall harm toward the environment. Although the commercial sector has made great strides toward this effort in the last fifty years with programs such as LEED, there is still much to be taken into consideration. This paper will analyze the current trends in increased sustainable practices, with a central focus on concrete and asphalt paving practices. This paper will focus on the means and methods of concrete and asphalt installation and production and examine the evolution of sustainable practices within the sector. This paper will also investigate the full-depth reclamation project completed by Dryco, Inc. at 6700 Stevenson Blvd. in Fremont, California. The project outlined the benefits of sustainable practices within the paving industry, as well as displayed the potential cost savings throughout the process.



## Study of Green Buildings Compared to Conventional Buildings (USGBC 2014)

**Key Words:** Sustainability, Full-Depth Reclamation, Cost Savings, Environment



### Normal vs. Porous Asphalt (Civilogistix)

## Simplified Sustainability Efforts in Cement Making (Portland Cement Association)

### Full-Depth Reclamation Process (Ruston)

Matt Clapp  
California Polytechnic State University  
mrclapp@calpoly.edu