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aWomen Business Enterprise (WBE)

Port of Portland Terminal 6 – Hyundai Car Storage Lot

36 acres of pervious asphalt in Portland, Oregon

Work performed while employed at DL Design



Green Girl LDS assisted with the project management and installation of 36 acres of pervious asphalt pavement for transferring cars from boats to the yard to trucks or trains. Cahill Associates Environmental Consultants, a consulting firm owned by Maria's father-in-law, has designed and project managed over 250 pervious pavement installations in every corner of the country and was consultant to the local engineering firm, Century West that permitted the system. Maria was asked to act as Cahill's local liaison to attend meetings, raise issues of concern, and perform infiltration testing of the native subgrade during construction.

Located a short distance from the Columbia River, the yard is separated by a riparian buffer of native Cottonwood trees. Hyundai, operating out of Terminal 6, decided to pave the existing gravel lot for safety reasons and to protect their new cars from paint chips as drivers moved them from the boat to the parking lot for storage. Porous pavement became their choice for a number of reasons. Traditional asphalt would have required a longer outfall permitting process, a costly proprietary cleansing system, demolition of some of the cottonwoods to install a vegetated swale, monthly stormwater fees to the City of Portland of more than \$11,000, and the promise of reduced annual operating and maintenance costs. The pervious asphalt saved them a year in permitting time with the Army Corps of Engineers and Oregon Department of State Lands and manages 100% of the rainfall for water quality and quantity.

Sustainable design isn't about doing something neat, it's about doing something right.