

PROJECT FACTS

Data Capture and Information Analysis

A paste extract soil test determined the soil was deficient in organic matter and highly alkaline (high pH). The soil substrate must be amended to support sustainable vegetation. An adequate supply of healthy topsoil to achieve a 24" buffer was not available or able to be imported.

Engineering Application Alignment

The prescriptive application would include incorporating 4"-6" of topsoil that would be dosed with an acid to balance the pH, a Biotic Soil Media (BSM) to increase microbial activity and organic matter. The local conservation district recommended the specific variety of seeds that would handle the alkaline soil & thrive in the region. The area was stabilized with a high-performance flexible growth medium (FGM) to control erosion and hold moisture through the germination period.

Customized Task Planning

Our team precisely followed the manufacturer's application rates and calibrated all materials in a sequence to complete the project in one day.

Knowledge/ Driven Work Modules

Working the custom solution into our work module, our team was able to complete the project on time. The scientific, agronomic approach successfully yielded sustainable vegetation to restore the slope and discharge clean, recharged stormwater off the pile.

TECHNICAL SPECS

The project utilized key technologies that include:

- Soil Testing (paste extract)
- 4"- 6" Topsoil in lieu of 24"
- Aqua-pHix – 10 Gallons per acre
- 3500# Biotic Soil Media
- Custom Seed mix (Turf/Native)
- 3000# of Flexible Growth Medium

[CLICK HERE TO LEARN MORE ABOUT HOW OUR TEAM DELIVERS TECHNICAL EXCELLENCE & OUTCOMES](#)



Scarce Topsoil cap incorporated 4"-6" in Lieu of 2 Feet



Biotic Soil Media applied to increase Microbial Activity & OM%



Stabilized with a High Performance Flexible Growth



Sustainable vegetation will prevent erosion and recharge runoff

QUESTIONS? CONTACT US :

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