

**DIVISION 2 – SITE WORK**

**Section 02270 – Temporary Erosion and Sediment Control Planning and Execution**

2.07 BONDED FIBER MATRIX (BFM) WITH SEED AND FERTILIZER

- A. Bonded Fiber Matrix - Contractor shall install BFM in areas shown on the plans and as directed by the Engineer. BFM shall cover a minimum of 95% of the soil surface and shall be applied in two directions or directed upwards to ensure proper soil coverage. BFM shall cure a minimum of 24 hours before any rain event or irrigation occurs and shall be installed per manufacturer’s instructions.

BFM shall be “SoilGuard”, “EcoAegis”, “HydroBlanket”, or approved equivalent, and shall contain all ingredients including tackifier, crosslinkers, and other proprietary ingredients.

- B. Seed shall be a high endophyte mix of the following:

Rate of Application

Seed Type	% by Weight	% Purity	% Germination	lbs./acre
Creeping Fescue	15	98	90	15
Perennial Rye	60	98	90	60
Chewings Fescue	25	98	90	25

- C. Fertilizer shall be standard commercial fertilizer supplied separately or in mixtures containing the percentages of total nitrogen, available phosphoric acid and water-soluble potash. They shall be furnished in standard containers with name, weight and guaranteed analysis of contents clearly marked thereon. No Cyanamid compounds or hydrated lime shall be permitted in mixed fertilizers. Nitrogen shall be in an insoluble and slow release form. Fertilizer shall not be agitated for more than 20 minutes before application.

Fertilizers shall be of commercial fertilizer grade and shall be spread at the rate of 375 lb./acre. Fertilizers shall consist of the following elements in the proportions shown by weight, uniformly mixed to ensure even distribution:

16 parts per 100 total nitrogen

16 parts per 100 water-soluble potassium compounds

16 parts per 100 available phosphoric acid