

1 **SECTION 641 – HYDRO-MULCH SEEDING**

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3 Make the following amendments to said Section:

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5 **(I)** Amend **Subsection 641.02 Materials** by adding the following after line
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8 “Turfgrass seed shall consist of American Buffel Grass (*Cenchrus*
9 *ciliaris* var. ‘Laredo’). Seeds shall be acquired from a State certified
10 commercial grass seed supplier. Seed shall be hulled and State certified
11 stating analysis of purity in unopened sealed containers, labeled with
12 brand name and percent purity. Labeling shall indicate that the seeds
13 passed a certified germination.

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15 Apply the seeds at the rate of twenty (20) pounds per acre
16 (minimum) and within twelve (12) months of the date of the certified
17 germination test.”

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19 **(II)** Amend **Subsection 641.02 Materials** by adding the following after line
20 97:

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22 **“(E) Gypsum Based Binder.** Gypsum based binder shall be a
23 cementitious binder which, when mixed with water and mulch, forms an
24 erosion resistant crust. The gypsum binder shall be processed to be
25 composed of a crushed, dry calcium sulfate hemihydrate ($\text{Ca SO}_4 \frac{1}{2} \text{H}_2\text{O}$)
26 having a purity of not less than 88 percent and combined with necessary
27 additives, such as curing agents, retardants, and accelerators. The binder
28 shall be formulated from a naturally occurring (quarried or mined), high
29 purity gypsum source. The Binder shall be non-toxic and non-combustible
30 and applied per manufacturer’s specifications.

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32 The processed gypsum based binder plus necessary additives
33 shall be furnished in bags and labeled as to its intended use/application,
34 purity content, dry weight and source of manufacture. Gypsum based
35 binder that has become partially air set, lumpy or caked, shall not be
36 used.”

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38 **(III)** Amend **Subsection 641.02(B) Fertilizer** by revising the paragraph from
39 line 33 to 36 to read:

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41 **“(B) Fertilizer.** Proper fertilizer shall be used in hydro-mulch mix,
42 depending on condition of soil. Apply at rates and in amounts consistent
43 with manufacturer’s specifications. Contractor shall provide a Soil
44 Analysis Report, if requested by Engineer, and shall use report to
45 determine quantity and ratio of fertilizer for sustained growth of grass.
46 Submit recommendations from a licensed Landscape Architect when
47 deviating from the application rates and amounts above.”

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(IV) Amend **Subsection 641.03(A) Seeding** by replacing the first paragraph from line 100 to 103 to read:

“(A) Seeding. Apply seeded mulch within the timeframe in Subsection 209.03(B) – Construction Requirements, if temporary stabilization will not be utilized, after completion of slopes or portion of slope when exposed face attains height of 15 feet. Notify Engineer not less than 24 hours ahead of hydro-mulch seeding operation. Do not hydro-mulch until the Engineer inspects and accepts areas for planting.

Install hydro-mulch seeding with gypsum based binder in accordance with the manufacturer’s installation guidelines.”

END OF SECTION 641