



CITY OF RICHMOND, INDIANA
RIGHT-OF-WAY EXCAVATION
GRASS/LAWN REPAIR SPECIFICATIONS

1. Top 4" of repair shall be clean topsoil, free of tree roots, rocks, and debris larger than 1-1/2" in diameter. The area shall be made smooth and uniform, and shall conform to the undisturbed area surrounding the excavation, or as otherwise directed by the Dept. of Public Works & Engineering.
2. Fertilizer shall be applied at the rate of 800 lb. per acre, and shall be a standard commercial fertilizer with an analysis of 12-12-12.
3. Seed shall be an INDOT Type "U" mixture or equal and described as follows...
 - o Application rate is 150 lb. per acre. The mixture consists of the following grasses:
 1. 95 lb. of a 4-way blend of turf type tall fescue
 2. 20 lb. of Jasper Red Fescue or approved equal
 3. 35 lb. Certified fine balded perennial ryegrass such as Regal, Fiesta, Blazer, or approved equal.
4. Straw mat shall be used for mulch for seeding on excavation repairs. Straw mat shall be placed within 24 hours after seeding. The ground shall be prepared as described above. After the area has been properly shaped, fertilized, and seeded, the straw mat shall be unrolled over the affected or designated area so that the plastic mesh is on top and the straw fibers are snugly and uniformly in contact with the soil surface without stretching the material. The rolls shall be butted snugly together and stapled in place. The staples shall be driven through the blanket at a 90° angle to the plane of the ground surface. Each staple shall anchor the plastic mesh. The staples shall be spaced at approximately 3 ft increments, both longitudinally and transversely. For placement on slopes, the straw mat shall be placed with the length running from the top of slope to the toe of slope and shall extend a minimum of 3 ft. over the crown of the slope. On slope applications, 6 staples shall be installed across the uphill end of the roll. The downhill ends of the lowermost rolls across the slope shall also be anchored with 6 staples, placed on uniform spacing. For placement in ditch lines, the straw mat shall be unrolled parallel to the centerline of the ditch. The mat shall be placed so that there are no longitudinal seams within 24 in. of the bottom centerline of the ditch. In ditch lines, 6 staples shall be placed at uniform spacing across the upstream end of each roll.

Straw mat shall consist of a machine produced mat consisting of at least 90% of the total dry mass being clean straw from agricultural crops, with the exception that up to 30% of the total dry mass may be coconut fibers in lieu of an equal percentage of straw. Paper or paper related products shall not be permitted as component in the straw mat. The straw shall be evenly distributed throughout the mat to form a thickness of 1/2 in. ± 1/8 in. The top side of the mat shall be covered with a photodegradable/biodegradable plastic mesh which shall be substantially adhered to the straw by a knitting process using photodegradable/biodegradable thread. The rolls shall be packaged with suitable protection for outdoor storage at a construction site in a manner which protects them from biodegradation prior to use. The average dry mass of the straw shall not be less than 0.7 lb/sq yd. The minimum roll width shall be 6 ft.

5. Any variation to this specification must be approved by the Director of Public Works & Engineering prior to construction or repair.