

RESTAURANT UTILITIES PROJECT

TULALIP, WASHINGTON

SECTION 32 92 23 – SODDING

PART 1 – GENERAL

1.01 SECTION INCLUDES

- A. The work under this section shall consist of providing all work, materials, labor, equipment, and supervision necessary to complete trenching for utilities and other work, as required in these specifications, on the drawings and as otherwise deemed necessary to complete the work.
- B. This section also covers Seeding

1.02 RELATED SECTIONS

- A. Division 1 Specification Sections.
- B. Specification Section 31 12 00 – SITE CLEARING
- C. Specification Section 31 20 00 – EARTHWORK
- D. Specification Section 31 25 00 – EROSION AND SEDIMENT CONTROL

1.03 REFERENCE STANDARDS

- A. Technical specifications, design details, construction details, and materials shall conform to the following reference documents:
 - 1. Standard Specifications for Road, Bridge and Municipal Construction, WSDOT/APWA, latest edition.
 - 2. Standard Plans for Road and Bridge Construction, WSDOT/APWA, latest edition.
- B. Where conflicts between standards and specifications occur, the more stringent shall apply.

1.04 SUBMITTALS

- A. Lawns shall be warranted for a period of one (1) year from the date of provisional acceptance to be in good, healthy, and flourishing condition.

1.05 QUALITY ASSURANCE

- A. Provide at least one (1) person who shall be present at all times during execution of this portion of the work, be thoroughly familiar with the type of work being performed and the best methods for its execution and who shall direct all work performed under this section.

PART 2 – MATERIALS

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2.01 GENERAL

- A. Sod: Agri-Turf or Country Green: as locally available or approved equal, one year old from a seeding of 50% Perennial Turf Type Ryegrass, 30% Hybrid Kentucky Bluegrass and 20% Fine Fescue. Cut one (1) inch or less in mowing height prior to being lifted from field. Sod shall be dense, in vigorous condition, dark green in color and free from disease and harmful insects.
- B. Fertilizer: Lawn fertilizer (14-18-12). Acceptable product is Pacific Agro or Evergro or other pre-approved source.
- C. Dolomite Lime: Fine ground dolomite retained by Taylor Standard Sieves as follows:
 - 1. #20 sieve retains 0 percent
 - 2. #100 sieve retains 25 percent
 - 3. Packaged in new, waterproof, non-overlain bags, clearly labeled as to weight, manufacturer and content.
- D. Water: Ensure an adequate supply of water. Furnish all necessary hoses, equipment, attachments, and accessories for adequate watering of lawn areas.
- E. Organic Amendment: For sodded lawn areas only: shall be Topsoils Inc.(425-485-0355) or Pacific Topsoils (1-800-884-SOIL). (Fine Compost Mulch), 100% passing 1/2 inch screen. Organic amendment shall be thoroughly composted material.

PART 3 – EXECUTION

3.01 EXAMINATION

- A. Prior to installation of lawn, verify the location of all electrical lines, utilities, and irrigation systems. Take precaution not to disturb or damage sub-surface elements. Contractor shall make repairs to damaged utilities at own expense. Confine work to areas designated.

3.02 GRADING

- A. Place 1.0 inch uniform depth of organic amendment over all areas to be sodded as lawn. Provide lime at the rates specified. Rototill to a depth of 6 to 8 inches in two opposite directions, thoroughly incorporate the organic amendment and lime into the subgrades.
- B. Establish finish grades with selected native soil, ensuring that no pockets or any other surface obstructions to positive drainage are present. Finish grade shall be $\frac{3}{4}$ inch to one inch lower than adjacent pavements. Verify that soil is compact and moistened, not muddy. Under landscaping, do not compact below

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subgrade and compact each layer of backfill or amended soil material to approximately 80 percent.

3.03 SODDING

- A. Install sod immediately upon delivery to site. Grade to receive sod must be smooth without depressions or high spots prior to laying. Sod shall not be rolled/stacked for more than one day. Maintain moisture for stockpiled rolls.
- B. Apply 14-18-12 fertilizer at the rate of 6 pounds per 1,000 square feet with dolomite lime at the rate of 40 pounds per 1,000 square feet to finish grade. Rake into top 1 inch of soil.
- C. Lay sod over prepared, firm, rolled surface, working from plywood platform strips placed over newly laid sod. Lightly rake the seed bed ahead of strip and lay with all joints tightly butted. Lay sod in staggered rows, working from edge of pavement. Place edges of sod together, but not stretched. Do not fill in gaps in sod for areas less than 6 square inches.
- D. After all the sod is laid, roll with water-filled roller. Roll perpendicular to the long dimensions of the sod.
- E. Maintain soil moisture during laying operation. Water to a depth of 6 inches minimum for the first watering. Monitor water moisture from then on.
- F. Limit foot traffic on sod until established.

3.04 SITE MAINTENANCE

- A. During the period of construction, the Contractor shall keep all areas of construction and items of work clean and in good condition. Keep areas free of trash and debris; pavements shall be swept clean, and mulched areas neat and orderly.

3.05 CLEANUP

- A. Prior to being considered ready for inspection, provisional or final, the Contractor shall clear the job site of all debris, clippings, and discarded materials from any source whatsoever; clean adjacent areas to the extent that work under this Contract may scatter litter; flush paved areas and present project in a neat, clean and orderly fashion.

END OF SECTION 32 93 23