

D – SUB-GRADE PREPARATION

D-1 SCOPE

The work covered by this section includes furnishing all labor, materials, and equipment necessary for the preparation and compacting of the sub-grade on the streets in the various areas as shown on the drawings, as hereinafter specified, or as directed by the Engineer.

D-2 MATERIALS

No additional materials except water will be required under this section.

D-3 CONSTRUCTION METHODS

D-3.1 Sub-grade Preparation

After the sub-grade has been shaped to line, grade and cross section, the top six inches shall be rolled with an approved power roller until thoroughly compacted as determined by the Engineer. This operation shall include any reshaping and wetting required moisture content between 1% and 4% above optimum), along with the rolling of the sub-grade, to obtain proper compaction. All boulders or ledge stone encountered in the excavation shall be removed or broken off to a depth of not less than 6 inches below the sub-grade. The resulting area and all other low sections, holes or depressions shall be brought to the required grade with material approved by the Engineer, and the entire sub-grade shaped to line, grade, and cross-section and thoroughly compacted as herein provided. The sub-grade shall in every area be compacted to 95 percent of the maximum density obtained at optimum moisture content as determined by ASTM D698 prior to surfacing materials being placed. Testing as herein described shall also be accomplished in accordance with Sanitary Sewer, Storm Sewer, and Water main Specifications. The sub-grade shall be scarified where required either for adding water or to obtain required density. Special care shall be given to shaping and compacting adjacent to curb & gutter, manholes, and valve boxes within the pavement limits.

D-3.2 Excavation and Backfill Below Sub-grade

Excavation and backfill below sub-grade shall be performed in accordance with the section entitled “Excavation”, prior to sub-grade preparation.

D-4 METHOD OF MEASUREMENT AND BASIS OF PAYMENT

D-4.1 Preparing and Compacting Sub-grade

The amount of sub-grade preparation will be measured in square yards. The number of square yards of sub-grade preparation shall include the actual amount of sub-grade scarified, watered, shaped, and compacted within the above limits and shall be paid for at the contract unit price for “Sub-grade Preparation” in the various areas which price and payment shall be full compensation for shaping, scarifying, watering, compacting and all material, tools, labor, equipment, and incidental necessary to complete the item.