

SECTION 329210 – FINISHING LAWN AND LANDSCAPE AREAS

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Front End Specification Sections, apply to this work.
- B. Specification Section - "Earthwork"
- C. Specification Section - "Landscape Work"

1.2 DESCRIPTION

- A. This section includes provisions for the following items:
 - 1. Fine grading of all areas to be landscaped.
 - 2. Cleanout of sediment filled areas around inlets and in temporary storage areas.
 - 3. Finish grade at all sidewalks and paved areas.
 - 4. Finish grade at all storm structures, electrical manholes, sanitary manholes and curbs.
 - 5. Finish grades of swales, berms, landscape islands, and all other yard areas.
- B. The following sections contain requirements that relate to this section:
 - 1. Specification Section "Earthwork"

1.3 QUALITY CONTROL

- A. General: Review plans to familiarize equipment operators, foremen, and superintendent of requirements for final grading.
- B. Visit site to review conditions prior to starting work. Starting work shall mean that conditions are acceptable as they exist.

1.4 JOB CONDITIONS

- A. Utilities: Determine location of underground utilities, manholes, water valves, sanitary cleanouts, and perform work in a manner which will avoid possible damage. Hand rake and hand excavate, as required.

1.5 SEQUENCING AND SCHEDULING

- A. Do not begin finish grading operations until conditions allow for permanent vegetative covers to be planted.
- B. Proceed with final grassing and mulching as rapidly as portions of the site are fine graded.
- C. Maintain finish grading and final grassing to prevent washing and rill erosion until a complete stand of grass is growing and accepted by the Owner.

PART 2 – PRODUCTS: Not Used.

PART 3 – EXECUTION

3.1 PREPARATION, GENERAL

- A. Review plans to identify low points, catchment areas, swales, conveyances, berms, diversions, detention ponds, cut and fill slopes, etc.
- B. Review graded site to identify all areas which hold water or store sediment.
- C. Review plans to identify all paved areas, utility boxes, manholes, sanitary cleanouts, storm water cleanouts, valve boxes, utility vaults, etc.
- D. Review installed location of each item and check elevations as necessary to identify each item that needs to be adjusted to grade and coordinate rework of paving and utilities or mark utility for future grade adjustments.

3.2 LOW POINTS & CATCHMENT AREAS

- A. Clean out around each inlet to ensure that sediment build up from construction is removed and firm ground is exposed.
- B. Backfill around all inlets to compensate for removal of sediment and to build up the grade to allow positive drainage to the inlet.
- C. In low points and catchment areas formed by a series of inlets, transition grade between inlets and at each end of the catchment areas to allow for high points that break the water to the inlet.

3.3 SWALES AND CONVEYANCES

- A. Remove all sediment build up from construction from all swales prior to beginning work.
- B. Smooth grade swales and conveyances shown on plans to remove high points and backfill low points.
- C. Swales and conveyances shall be graded to prevent standing water.
- D. Swales within catchment areas shall be graded with high points between inlets as described above.

3.4 BERMS & DIVERSIONS

- A. Grade berms and diversions to the width and height indicated on the plans.
- B. Finish grading of berms and diversions shall include correcting all points weakened during construction activities by concentrated runoff, construction traffic, etc.
- C. Finish grading of berms and diversions shall include rounding out the tops of berms to prevent sharp grade transitions which will hamper later maintenance.

3.5 SEDIMENT STORAGE AREAS

- A. Finishing of sediment storage areas shall include dewatering.
- B. Contractor shall provide pumps, etc. to accomplish dewatering.

3.6 CUT & FILL SLOPES

- A. Smooth grade and compact all cut and fill slopes to remove all rill erosions and washes.
- B. Reapply erosion control blankets, as necessary.

3.7 GRADING ADJACENT PAVED AREAS

- A. Finish grading adjacent paved areas, curbs and walkways shall be subject to the following criteria:
 - 1. Sodded Areas: Set 1- ½" below.
 - 2. Seeded Areas: Set ½" below.

3.8 YARD AREAS

- A. Yard areas shall be graded to avoid any sudden changes in grade, waviness, moguls, hillocks, low points, etc., unless specifically noted on the plans.
- B. All yard areas shall be graded to allow lawn maintenance equipment to freely operate without "skinning" the ground or jostling and bounding the operator.

3.9 MANHOLES, INLETS, VAULTS, VALVE BOXES & CLEANOUTS

- A. All manholes, inlets, valve boxes and cleanouts shall be set flush with finish grade unless specifically detailed to protrude above finished grade.
- B. Finish grader shall coordinate with installer to correct faulty grades or grade to top elevations of structures.
- C. Water Vaults shall be set above grade to prevent water from entering and flooding these vaults.
- D. Electrical and telecommunications vaults shall be set flush with grade, unless otherwise indicated on electrical drawings.

END OF SECTION 329210