

DIVISION 2 - SITE WORK

SECTION 02270 - EROSION AND SEDIMENTATION CONTROL

1. GENERAL REQUIREMENTS:

The work includes all measures necessary to effectively control erosion on the construction site and prevent sediment-laden run-off from leaving the construction site.

2. CONTRACTOR'S RESPONSIBILITY:

The Owner has submitted an erosion control plan to the proper authority and received a permit which is included in these specifications following this section. The Contractor agrees to all of the conditions of the permit and the Contractor shall be responsible for prevention of damage to properties outside the construction limits from siltation due to construction of the project. The Contractor will assume all responsibilities to the affected property owners for correction of damages which may occur. The Contractor further agrees to assume all responsibilities for all fines or damages assessed against the Owner by any regulatory agency or individual due to lack of proper erosion and sediment control during construction. The Owner reserves the right to withhold a portion of the Contractor's payment requests sufficient to pay the assessments.

3. MINIMUM AREAS TO BE DISTURBED:

- A. Only those areas necessary for timely and proper completion of the project shall be stripped of native vegetation.
- B. No land disturbing activity shall be permitted in proximity to a natural watercourse without a buffer zone along the margin of the watercourse of sufficient width to confine visible siltation within the 25 percent of the buffer zone nearer the land disturbing activity.
- C. The angle for graded slopes and fills shall be no greater than the angle which can be retained by vegetative cover or other adequate erosion control devices or structures. Slopes left exposed will, within 30 working days of completion of any phase of grading, be planted or otherwise provided with ground cover, devices, or structures sufficient to restrain erosion.
- D. Whenever land disturbing activity is undertaken on a tract comprising more than one acre, if more than one contiguous acre is uncovered, a ground cover sufficient to restrain erosion must be planted or otherwise provided within 30 working days on that portion of the tract upon which further active construction is not being undertaken.

4. METHODS TO BE USED - EROSION CONTROL SCHEDULE REQUIRED:

Any accepted erosion sedimentation control measures may be used, at the Contractor's option, including and in addition to specific measures prescribed in the project plans and elsewhere in these specifications. Methods which may be used include, but are not limited to, vegetation, silt fences or silt basins. The Contractor shall program and submit to the Engineer prior to beginning construction an erosion control schedule outlining measures to be taken for positive control of erosion and sedimentation during construction.

5. PLACEMENT OF SEDIMENT CONTROL DEVICES:

All devices (silt fences, silt basins, etc.) for sediment control shall be constructed prior to beginning clearing and grubbing on the site.

6. MAINTENANCE OF SEDIMENT CONTROL DEVICES:

All devices for sediment control shall be maintained in proper working order for the duration of the project.

7. SCHEDULING OF WORK:

Clearing and grubbing shall be scheduled and performed in such a manner that subsequent grading operation and erosion control practices can follow immediately thereafter. Excavation, borrow, and embankment operations will be conducted such that cuts and fills will be completed to final grades in a continuous operation. All construction areas not otherwise protected shall be planted with permanent vegetative cover in accordance with Section 02930 (Establishing Vegetation) of the Specifications within 30 working days after completion of active construction.

8. TEMPORARY SUSPENSION OF WORK:

If any earthwork is to be suspended for any reason whatsoever for longer than 30 calendar days, the areas involved shall be seeded with temporary vegetative cover or otherwise protected against excessive erosion during the suspension period. Suspension of work in any area of operation does not relieve the Contractor of the responsibility for the control of erosion in that area.

9. REMOVAL OF SEDIMENT CONTROL DEVICES:

Near the completion of the project or upon instruction by the Engineer, the Contractor shall dismantle and remove silt fences and fill silt basins used for sediment control during construction and dress up and seed the area to give a pleasing appearance.

10. ADDITIONAL MEASURES:

If the Engineer determines that significant sedimentation is occurring as a result of activity on the construction site despite the application and maintenance of prescribed protective measures, the Engineer may require the Contractor to take additional protective measures.

11. DUST CONTROL:

- A. The Contractor shall control dust throughout the life of the project within the project area and at all other areas affected by the construction of the project, including, but not specifically limited to, unpaved secondary roads, haul roads, access roads, disposal sites, borrow and material sources, and production sites. Dust control shall not be considered effective where the amount of dust creates a potential or actual unsafe condition, public nuisance, or condition endangering the value, utility, or appearance of any property.
- B. The Contractor will not be directly compensated for any dust control measures necessary, as this work will be considered incidental to the work covered by the various contract items.

END OF SECTION 02270