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1200 DESCRIPTION

Sediment is the number one water quality pollutant originating from construction sites and is a major pollutant in the water of this country today. To reduce this pollution, the Town requires that temporary erosion and sediment control measures be used and comply with all State and Federal Regulations. Storm water regulations governed by the U.S. Environmental Protection Agency (EPA) requires that all local, state and federal storm water regulations be followed including the local municipality and county regulations. The Town does not accept any liability for the Contractor obtaining or following the requirements of Storm Water Management Plans or any other permits.

1201 GENERAL PROVISIONS

The Storm Water Management Plan shall meet CDPHE and EPA requirements.

1. A Storm Water Management Plan (SWMP) shall be prepared in accordance with the most recent SWMP guidance document prepared by the CDPHE. The SWMP shall include an erosion and sediment control plan.
2. All BMP's located in or negatively affecting Town Right-of-Ways (ROW) or Town Easements shall be properly maintained and inspected.
3. Inspections shall be performed as required by the CDPHE and the EPA requirements.
4. The contractor shall minimize vehicle tracking of sediment or soil off site at locations where vehicles exit the construction site onto paved surfaces
5. Tracked sediment shall be removed from paved surfaces within 24 hours (maximum) of discovery.

1201.01 Limitations

No person shall clear or grade land without implementing soil erosion and sediment controls in accordance with the requirements of these STANDARDS AND SPECIFICATIONS, and the Town of Frederick's Municipal Code.

1201.02 Exemptions

1. Agricultural land management practices and construction of agricultural structures;
2. Clearing or grading activities that disturb less than 2-acres of land area and disturb less than 200 cubic yards of earth, provided the existing grades are less than 8% and the effected property does not abut public lands.
3. Clearing or grading activities that are subject exclusively to State approval and enforcement under State law and regulations.



1202 EROSION AND SEDIMENT CONTROL PLANS

1202.01 Design Criteria

All BMP's installed and/or designed should meet the CDPHE requirements and EPA requirements:

1. www.cdphe.state.co.us & www.cdphe.state.co.us/wq/
2. www.epa.gov & www.epa.gov/waterscience/guide/stormwater/monitor.htm

1202.02 Review and Approval

1. A person may not clear or grade land without first preparing an erosion and sediment control plan which has been approved by the Town.
2. The applicant shall submit an erosion and sediment control plan and any supporting computations to the Town for review and approval. The erosion and sediment control plan shall contain sufficient information, drawings, and notes to describe how soil erosion and off site sedimentation will be minimized. The City shall review the plan to determine compliance with these STANDARDS AND SPECIFICATIONS, and the Town of Frederick's Municipal Code prior to approval. The plan shall serve as a basis for all subsequent grading and stabilization.
3. In approving the plan, the Town may impose such conditions thereto as may be deemed necessary to ensure compliance with the provisions of these STANDARDS AND SPECIFICATIONS, and the Town of Frederick's Municipal Code for the preservation of public health and safety.
4. The erosion and sediment control plan shall not be considered approved without the inclusion of the signature and date of signature of the Town Engineer.
5. Approved plans may remain valid for one year from the date of approval unless renewed by the Town.
6. Approved plans will become an exhibit to the Town's Grading Permit. In addition, the developer/contractor will be required to execute an improvements agreement and provide surety in a form outlined by Town Code prior to beginning earthwork operations.

1202.03 Modifications to Approved Erosion and Sediment Control Plans

1. When inspection of the site indicates the approved erosion and sediment control plan needs modification, the modification shall be made in compliance with the erosion and sediment control criteria contained in these STANDARDS AND SPECIFICATIONS, and the Town of Frederick's Municipal Code.



2. The permittee shall submit requests for major modifications to approved erosion and sediment control plans, such as the addition or deletion of a sediment basin, to the Town to be processed appropriately. This processing includes modifications due to plan inadequacies at controlling erosion and sediment as revealed through inspection.
3. The Town may approve minor modifications to approved erosion and sediment control plans in the field if conditions so merit.

1202.04 Grading and Erosion Control Notes

The following minimum grading and erosion control notes shall be stated on, as well as incorporated into the overlot grading and erosion control plan:

GRADING AND EROSION CONTROL NOTES

1. All site grading (excavation, embankment, and compaction) shall conform to the recommendations of the latest soils investigation for this property and shall further be in conformance with the Town of Frederick's "STANDARDS AND SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF PUBLIC IMPROVEMENTS," latest edition.
2. Natural vegetation shall be retained and protected wherever possible. Exposure of soil to erosion by removal or disturbance of vegetation shall be limited to the area required for immediate construction operation and for the shortest practical period of time.
3. Topsoil shall be stockpiled to the extent practicable on the site for use on areas to be revegetated. Any and all stockpiles shall be located and protected from erosive elements.
4. Temporary vegetation shall be installed on all disturbed areas where permanent surface improvements are not scheduled for installation within three months. Vegetation shall be a vigorous, drought tolerant, native species mix. (Refer to Section 1500 of these STANDARDS AND SPECIFICATIONS for seeding mix.) Project scheduling should take advantage of spring or fall planting seasons for natural germination, but seeded areas shall be irrigated, if conditions so merit.
5. At all times, the property shall be maintained and/or watered to prevent wind caused erosion. Earthwork operations shall be discontinued when fugitive dust significantly impacts adjacent property. If earthwork is complete or discontinued and dust from the site continues to create problems, the owner/developer shall immediately institute mitigative measures and shall correct damage to adjacent property.
6. Temporary cut/fill slopes shall not exceed a steepness of 2:1 (2H:1V). Permanent slopes shall not exceed 3:1 (3H:1V) in areas to be seeded or sodded.



7. Utility construction is not approved under this plan.
8. The owner/developer shall provide any additional dust abatement and erosion control measures deemed necessary by the Town, should conditions merit them.
9. Temporary fences shall be installed along all boundaries of the construction limits or property lines as shown on the approved erosion control plan, to prevent grading on property not owned by the developer. In addition, the Town may require additional temporary fences if field conditions so merit them.

1202.05 Standard Erosion Control Details

Details within the UDFCD Criterial Manual are the standard erosion control details which are acceptable to the Town of Frederick.

