SECTION 312500

EROSION AND SEDIMENTATION CONTROLS

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***NOTE TO SPECIFIER***

*Use this Specification Section for Mail Processing Facilities.*

***This is a Type 1 Specification with completely editable text; therefore, any portion of the text can be modified by the A/E preparing the Solicitation Package to suit the project.***

*For Design/Build projects, do not delete the Notes to Specifier in this Section so that they may be available to Design/Build entity when preparing the Construction Documents.*

*For the Design/Build entity, this specification is intended as a guide for the Architect/Engineer preparing the Construction Documents.*

*The MPF specifications may also be used for Design/Bid/Build projects. In either case, it is the responsibility of the design professional to edit the Specifications Sections as appropriate for the project.*

*Text shown in brackets must be modified as needed for project specific requirements.* *See the “Using the USPS Guide Specifications” document in Folder C for more information.*

*The last date that USPS revised this standard specification section occurs in two places, at the end of this section and in the Table of Contents. If the date in this section matches the date in the Table of Contents, then you are using the latest version. Do not delete or revise the “last revised” date at the end of the section during the development of the Project Manual.*

*The footer in this section should be edited to replace the text, “USPS MPF SPECIFICATION” with the project name, and the blank date in the center should be replaced with the submission date, for interim design reviews, or the issue date of the completed Project Manual.*

**Use this section where Erosion and Sedimentation Control is part of the Work. Before editing this Section, obtain the "Report of Subsurface Investigation" prepared by the Geotechnical Engineer. Read the report and incorporate the recommendations included in the report into this Section.**

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1. GENERAL
	1. SUMMARY
		1. Section Includes:
			1. Temporary and permanent erosion control systems.
			2. Slope protection systems.
		2. Related Documents: The Contract Documents, as defined in Section 011000 - Summary of Work, apply to the Work of this Section. Additional requirements and information necessary to complete the Work of this Section may be found in other Documents.
		3. Related Sections:
			1. Section 313200 - Soil Stabilization: Lime, cement, fly ash, and geotextile subgrade stabilizers.
	2. SUBMITTALS
		1. Section 013300 - Submittal Procedures: Procedures for Quality Assurance/Control submittals.
			1. Material Source: Submit name of material suppliers.
			2. Provide materials from same source throughout Work. Change of source requires Contracting Officer approval.
	3. PROJECT CONDITIONS OR SITE CONDITIONS
		1. Environmental Requirements: Protect adjacent properties and water resources from erosion and sediment damage throughout Work.
2. PRODUCTS
	1. MATERIALS
		1. Quick Growing Grasses: Wheat, rye, or oats.
		2. Straw Bales: Free of weed seed.
		3. Fencing for Siltation Control: Indicated on Drawings.
		4. Erosion Control Blankets and/or Erosion Control Geotextiles.
		5. Bale Stakes:
			1. Minimum 4 feet length.
			2. Two No. 4 steel reinforcing bars or,
			3. Two steel pickets or,
			4. Two 2 x 2 inch hardwood stakes driven 18 inches to 24 inches into ground.
		6. Temporary Mulches: Loose straw, netting, wood cellulose, or agricultural silage free of seed.
		7. Metal Fence Stakes: Minimum 8 foot length.
3. EXECUTION
	1. EXAMINATION
		1. Section 017300 - Execution: Verification of existing conditions before starting Work.
		2. Verification of Conditions: Verify that field measurements, surfaces, substrates and conditions are as required, and ready to receive Work.
		3. Report in writing to Contracting Officer prevailing conditions that will adversely affect satisfactory execution of the Work of this Section. Do not proceed with Work until unsatisfactory conditions have been corrected.
		4. By beginning Work, Contractor accepts conditions and assumes responsibility for correcting unsuitable conditions encountered at no additional cost to U.S. Postal Service.
	2. PREPARATION
		1. Review Stormwater Pollution Prevention Plan SWP3.
		2. Notify Contracting Officer of deficiencies or changes in Stormwater Pollution Prevention Plan SWP3 required by current site conditions. Revisions of plan will be made as determined by Contracting Officer.
	3. EROSION CONTROL AND SLOPE PROTECTION IMPLEMENTATION
		1. Contracting Officer may direct Contractor to limit surface area of erodible earth material exposed by clearing and grubbing, excavation, borrow and embankment operations and may direct Contractor to provide immediate permanent or temporary pollution control measures.
		2. Provide permanent erosion control measures at earliest practical time to minimize requirement for temporary erosion controls. Permanently seed and mulch cut slopes as excavation proceeds.
		3. Maintain temporary erosion control systems installed by Contractor as directed by Contracting Officer to control siltation at all times throughout Work. Provide maintenance or additional Work directed by Contracting Officer within 48 hours of notification by Contracting Officer.
		4. Apply soil stabilization as specified in Section 313200 or seed slopes that may be easily eroded with wheat, rye, or oat grasses.

END OF SECTION

USPS MPF Specification Last Revised: 10/1/2022