Previous Versions: 03/27/00 and 09/30/87

Item No. 625S Temporary Grade Stabilization Structure

625S.1 Description

This item shall govern for construction of a temporary channel lined with Hot Mix Asphaltic Concrete, Portland Cement concrete or comparable non-erodable material. The lining shall be placed to extend from the top of a slope to the bottom of a slope and to convey surface runoff safely down-slopes without causing erosion (Environmental Criteria Manual Section 1.4.2, "Temporary Structural Practices"). The removal of the entire structure and the revegetation of the area after the permanent facilities are in place shall also be included in this item.

This specification is applicable for projects or work involving either inch-pound or SI units. Within the text, the inch-pound units are given preference followed by SI units shown within parentheses.

625S.2 Submittals

The submittal requirements for this specification item shall include:

- A. Aggregate types, gradations and physical characteristics for the Portland cement concrete mix,
- B. Aggregate types, gradations and physical characteristics for the Hot Mix Asphaltic Concrete mix.
- C. Submittal items required in Standard Specification Item 591S, "Riprap for Slope Protection".
- D. Re-vegetation program including:
 - 1. Identification of the type, source, mixture, Pure Live Seed (PLS) and rate of application of the seeding.
 - 2. Type of mulch.
 - 3. Type of tacking agent.
 - 4. Type and rate of application of fertilizer.

625S.3 Materials

A. Concrete

Portland Cement concrete shall conform to Class A, Item No. 403S, "Concrete for Structures".

B. Hot Mix Asphaltic Concrete

Asphaltic concrete shall conform to Item No. 340S, "Hot Mix Asphaltic Concrete Pavement".

C. Riprap

Rock or broken concrete riprap for energy dissipation shall not exceed 5 pounds each and shall conform to Item No. 591S, "Riprap for Slope Protection".

D. Seeding

Seeding shall conform to Item No. 604S, "Seeding for Erosion Control".

625S.4 Construction Methods

The Contractor shall minimize the area disturbed during construction. Prior to placement of the Grade Stabilization Structure, all clearing, grubbing and subgrade preparation operations shall be completed conforming to Item No. 111S, "Excavation".

Hot Mix Asphaltic Concrete work shall conform to Item No. 340S, "Hot Mix Asphaltic Concrete".

Concrete work shall conform to Item No. 403S, "Concrete for Structures" and to Item No. 591S, "Riprap for Slope Protection".

At such time as the structure is no longer needed and with the approval of the Engineer or designated representative, the Contractor shall remove the entire structure and revegetate the disturbed area.

625S.5 Measurement

Acceptable work performed as prescribed by this Standard Specification Item will be measured along the chute or flume in lineal feet (lineal meters: a lineal meter is equal to 3.281 lineal feet).

625S.6 Payment

Work performed and materials furnished for this item will be paid at the unit bid price per lineal foot of chute. The unit bid price shall include all clearing, excavation, materials, placement, maintenance, removal and revegetation of disturbed areas.

Payment will be made under:

Pay Item No. 625S: Grade Stabilization Structure Per Lineal Foot.

End

SPECIFIC CROSS REFERENCE MATERIALS
Specification 625S, "Temporary Grade Stabilization Structure"

City of Austin Environmental Criteria Manual

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Designation	Description
DESIGNATION	DESCRIPTION

Section 1.4.2.B.5 Diversion Interceptor and Perimeter Dikes: Outlet

Section 1.4.2.C.5 Interceptor and Perimeter Swales: Outlet

City of Austin Standard Specifications

<u>Designation</u>	Description
Item No. 111S	Excavation
Item No. 340S	Hot Mix Asphaltic Concrete Pavement
Item No. 403S	Concrete for Structures
Item No. 591S	Riprap for Slope Protection
Item No. 604S	Seeding for Erosion Control

RELATED CROSS REFERENCE MATERIALS

City of Austin Standard Specifications

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<u>Designation</u>	<u>Description</u>
Item No. 101S	Preparing Right of Way
Item No. 102S	Clearing and Grubbing
Item No. 120S	Channel Excavation
Item No. 132S	Embankment
Item No. 401S	Structural Excavation and Backfill
Item No. 404S	Pneumatically Placed Concrete
Item No. 406S	Reinforcing Steel
Item No. 408	Concrete Joint Material
Item No. 410S	Concrete Structures
Item No. 606S	Fertilizer
Item No. 608S	Planting
Item No. 610S	Preservation of Trees and Other Vegetation
Item No. 620S	Filter Fabric

Texas Department of Transportation: <u>Standard Specifications for Construction and</u>

Maintenance of Highways, Streets, and Bridges

Designation	Description
Item No. 100	Preparing Right of Way
Item No. 110	Excavation
Item No. 132	Embankment
Item No. 158	Specialized Excavation Work
Item No. 166	Fertilizer
Item No. 168	Vegetative Watering
Item No. 169	Soil Retention Blanket
Item No. 204	Sprinkling