



**MULCH BERM MATERIAL**

USE UNTREATED WOOD CHIPS LESS THAN OR EQUAL TO 125mm (5 inches) IN LENGTH WITH 95% PASSING A 2-INCH SCREEN AND LESS THAN 30% PASSING A 1-INCH SCREEN (TXDOT SPECIAL SPECIFICATION 1011, MULCH FILTER BERM).

MULCH CONSISTS PRIMARILY OF ORGANIC MATERIAL, SEPARATED AT THE POINT OF GENERATION, AND MAY INCLUDE: SHREDDED BARK, STUMP GRINDINGS, OR COMPOSTED BARK.

LARGE PORTIONS OF SILT, CLAYS, OR FINE SANDS ARE NOT ACCEPTABLE IN THE MULCH.

**NOTES:**

1. MULCH BERMS SHOULD BE A MINIMUM OF 600mm (24 inches) HIGH AND 900mm (36 inches) WIDE.
2. MULCH MATERIAL MUST BE FREE OF REFUSE, PHYSICAL CONTAMINANTS, AND MATERIAL TOXIC TO PLANT GROWTH; IT IS NOT ACCEPTABLE FOR THE MULCH MATERIAL TO CONTAIN GROUND CONSTRUCTION DEBRIS, BIOSOLIDS, OR MANURE.
3. MULCH BERMS SHOULD BE INSTALLED PARALLEL TO THE SLOPE OR THE OTHER AFFECTED AREA. FOR BEST SEDIMENTATION DEPOSITION, A MULCH BERM SHOULD BE PLACED ON THE LEVEL CONTOUR OF A SLOPE SO THAT FLOWS ARE DISSIPATED INTO UNIFORM SHEET FLOW WHICH HAS LITTLE ENERGY FOR TRANSPORTING SEDIMENT.
4. WHEN A DIVERSION OR PERIMETER CONTROL MULCH BERM IS INSTALLED IN THE DIRECTION OF A SLOPE, A 20-FOOT LENGTH OF BERM SHOULD BE TURNED IN, ACROSS THE SLOPE, AT REGULAR INTERVALS TO CREATE A "J"-HOOK (SEE ECM 1.4.5.G, SILT FENCE "J" HOOK DETAIL).
5. MULCH SOCKS SHOULD BE USED AT THE BASE OF SLOPES NO STEEPER THAN 2:1 AND SHOULD NOT EXCEED THE MAXIMUM SPACING CRITERIA PROVIDED IN CITY OF AUSTIN ENVIRONMENTAL CRITERIA MANUAL TABLE 1.4.5.J.1 FOR A GIVEN SLOPE CATEGORY.
6. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 150mm (6 inches). THE SILT SHALL BE DISPOSED OF ON AN APPROVED SITE AND IN SUCH A MANNER THAT WILL NOT CONTRIBUTE TO ADDITIONAL SILTATION.

**CITY OF AUSTIN**  
WATERSHED PROTECTION DEPARTMENT

**MULCH BERM**

RECORD COPY SIGNED BY  
MORGAN BYARS

08/24/2010  
ADOPTED

THE ARCHITECT/ENGINEER ASSUMES  
RESPONSIBILITY FOR APPROPRIATE USE  
OF THIS STANDARD.

STANDARD NO.  
**647S-1**