

Storm Water Division
Operating Policies
 Routine Maintenance (RoM)



Policy No.: RoM-11	Page <u> 1 </u> of <u> 1 </u>
Subject: Open Channel Lining Materials	Effective Date: 10-1-02
Applies To: All Stormwater Projects	<input type="checkbox"/> New Issue <input checked="" type="checkbox"/> Partial Revision <input type="checkbox"/> Complete Revision
Purpose:	To establish guidelines for the use of natural and manmade channel linings when cleaning, constructing, or reconstructing open channel conveyance systems.
Policy:	<p>It is the goal of MWS to establish or reestablish open channel conveyance systems using vegetative linings. When establishing permanent vegetation, MWS will utilize fescue as available in stock and will not attempt to match pre-project grass type.</p> <p>MWS will use seed/straw, sod, or erosion control matting at its' discretion to establish permanent vegetation when cleaning, constructing, or reconstructing open channel conveyance systems with the following exceptions:</p> <ol style="list-style-type: none"> 1. Rock, manufactured stone, or similar materials may be used when necessary to dissipate energy in areas of high velocity such as the outlet of culverts. 2. Rock, manufactured stone, or similar materials may be used when necessary to protect an open channel drainage system from erosive forces when physical constraints prevent grading of the system to a longitudinal slope or channel bank side slope acceptable for the placement of a vegetative lining. 3. Concrete may be used when necessary to facilitate positive conveyance in an open channel drainage system that has minimal longitudinal slope in order to avoid standing water during dry periods. 4. Concrete may be used when necessary to protect an open channel drainage system from erosive forces when physical constraints prevent grading of the system to a longitudinal slope or channel bank side slope acceptable for the placement of a vegetative lining. <p>When using non-vegetative channel linings, MWS will limit installation quantities to the minimum necessary to dissipate energy, mitigate erosion, or promote positive conveyance.</p>
Revision No.: 1	Issued By:
Revision Date: 10-15-07	