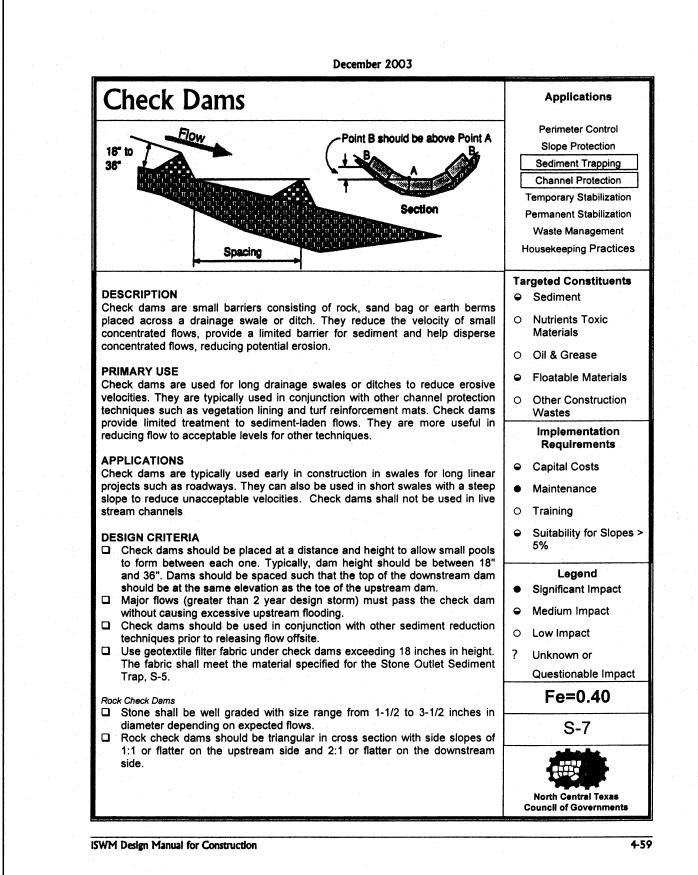


WASHOUT BASIN SECTION

SCALE: NTS



December 2003 **Check Dams** □ Sand bag check dams should have a maximum flow through rate of 0.1 cfs per square foot of surface with a minimum top width of 16 inches and bottom width of 48 inches. Bags should be filled with coarse sand, pea gravel, or filter stone that is clean and free of deleterious material. Bag length shall be 24-inches to 30-inches, width shall be 16-inches to 18-inches and thickness shall be 6-inches to 8-inches and having an approximate weight of 40-pounds. ☐ Bag material shall be polypropylene, polyethylene, polyamide or cotton burlap woven fabric, minimum unit weight 4-ounces-per-square-yard, Mullen burst strength exceeding 300-psi as determined by ASTM D3786 Standard Test Method for Hydraulic Bursting Strength of Textile Fabrics-Diaphragm Bursting Strength Tester Method, and ultraviolet stability exceeding 70-percent. PVC pipes may be installed through the sand bag dam near the top to allow for controlled flow through the dam. Pipe should be schedule 40 or heavier polyvinyl chloride (PVC) having a nominal internal diameter of 4 inches. Minor ponding will occur upstream of the check dams. For heavy flows or high velocity flows, extensive maintenance or replacement of the dams will be required. Care must be used when taking out rock check dams in order to remove as much rock as possible. Loose rock can create an extreme hazard during mowing operations once the area has been stabilized. MAINTENANCE REQUIREMENTS Check dams should be inspected regularly (at least as often as required by the TPDES Construction General Permit, Appendix A). Silt must be removed when it reaches approximately 1/3 the height of the dam or 12", whichever is less. Specifications for construction of this item may be found in the Standard Specifications for Public Works Construction – North Central Texas Council of Governments, Section 201.9 Rock Dam and Item 201.11Sand Bag Dam.

View Looking Upstream

View Looking Upstream

View Looking Upstream

View Looking Upstream

View beign being and in the stand of the stand of the stand of the stand it beyond the abundance and inflower ound dam.

Section A - A

FLOW

24' (0.5m)

Spacing Between Check Dams

12' the distance such that points 'A' and 'B' are of equal elevation.

Source: Stormwater Management Manual for Western Washington.

THESE DETAILS ARE NOT FOR USE ON STATE RIGHT OF WAY

THESE STANDARD ISWM DETAILS ARE AUTHORIZED FOR USE ON THIS PROJECT BY:

RECORD DOCUMENT

ISWM Design Manual for Construction

This Record Document (As Built) has been prepared based on information provided by others. The Engineer has not verified the accuracy and/or completeness of this information and shall not be responsible for any errors or omissions which may be incorporated herein as a result.

