

MATERIALS

STRAW BALES: STRAW BALES CONTAINING WITH MINIMUM SEED CONTENT. HAY OR LUCERNE BALES MUST NOT BE USED.

SUPPORT POSTS/STAKES: 1500mm² (MIN) HARDWOOD, 2500mm² (MIN) SOFTWOOD, OR 1.5kg/m (MIN) STEEL STAR PICKETS.

FILTER CLOTH: HEAVY-DUTY, NEEDLE-PUNCHED, NON-WOVEN FILTER CLOTH MINIMUM 'BIDIM' A34 OR EQUIVALENT.

AGGREGATE: 15 TO 25mm CLEAN GRAVEL OR AGGREGATE.

INSTALLATION

1. REFER TO APPROVED PLANS FOR LOCATION AND INSTALLATION DETAILS. IF THERE ARE QUESTIONS OR PROBLEMS WITH THE LOCATION OR METHOD OF INSTALLATION CONTACT THE ENGINEER OR RESPONSIBLE ON-SITE OFFICER FOR ASSISTANCE.

2. SUITABLY CLEAR AND PREPARE THE SURFACE WHERE THE BALES WILL BE INSTALLED.

3. LAY THE FILTER FABRIC ON THE GROUND WITH THE UP-SLOPE EDGE EXTENDING AT LEAST 200mm UP-SLOPE OF THE INTENDED UP-SLOPE EDGE OF THE BALES.

4. IF MORE THAN ONE SHEET OF FABRIC IS USED, THEN OVERLAP THE FABRIC A MINIMUM OF 600mm AT ALL JOINTS.

5. PLACE THE BALES END TO END (LENGTH-WISE) ON THE FABRIC WITH THE UP-SLOPE EDGE AT LEAST 200mm DOWN-SLOPE OF THE UP-SLOPE EDGE OF THE FABRIC.

6. FOLD THE REMAINDER OF THE FILTER CLOTH OVER THE BALES SUCH THAT THE END OF THE FABRIC RESTS FIRMLY ON THE GROUND AND EXTENDS AT LEAST 200mm UP-SLOPE OF THE BALES.

7. SECURELY ANCHOR THE BALES WITH A MINIMUM OF ONE STAKE OR PICKET DRIVEN THROUGH THE CENTRE LINE OF EACH BALE. IF THE BALES ARE NOT WRAPPED IN FILTER CLOTH (NOT RECOMMENDED), THEN USE AT LEAST TWO STAKES PER BALE. THE FIRST STAKE BEING DRIVEN TOWARDS THE ADJOINING BALE AT A 45-DEGREE ANGLE TO FORCE THE BALES TOGETHER.

MAINTENANCE

1. REPLACE THE STRAW BALE BARRIER IF FULL OR PARTIAL COLLAPSE OF THE BALES OCCURS.

2. REMOVE AND SUITABLY DISPOSE OF ACCUMULATED SEDIMENT PRIOR TO REPLACING THE BALES.

3. REPLACE THE FILTER FABRIC WHEN IT BECOMES BLOCKED WITH SEDIMENT AND/OR THE FLOW RATE THROUGH THE BARRIER BECOMES UNACCEPTABLY LOW.

REMOVAL

1. WHEN WORK AREA UP-SLOPE OF THE STRAW BALE BARRIER IS SUFFICIENTLY STABILISED TO RESTRAIN EROSION, THE BARRIER MUST BE REMOVED.

2. REMOVE ALL MATERIALS AND DEPOSITED SEDIMENT AND DISPOSE OF IN A MANNER THAT WILL NOT CAUSE AN EROSION OR POLLUTION HAZARD.

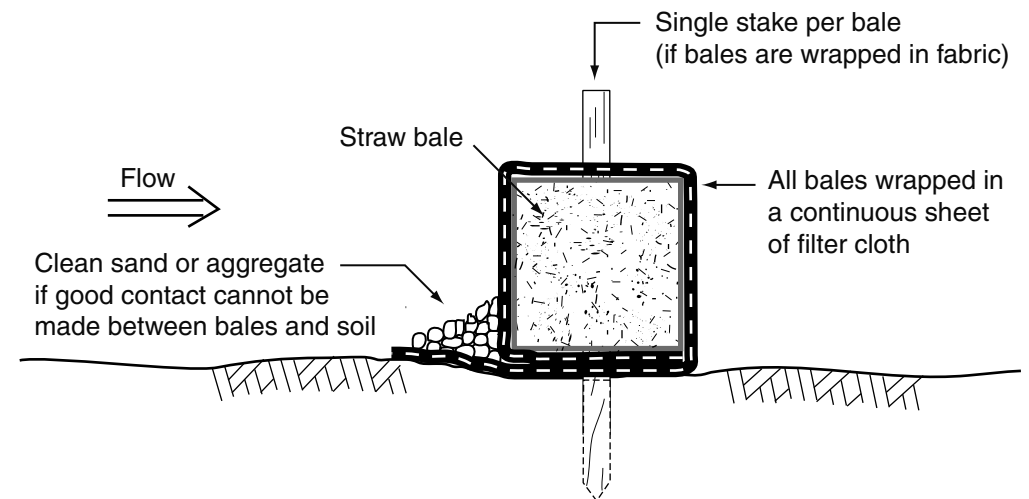


Figure 1 - Installation of straw bale barrier

Drawn:	Date:		
GMW	Apr-10	Straw Bale Barrier	SBB-01