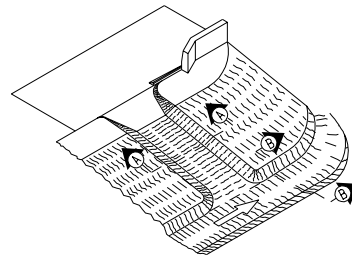
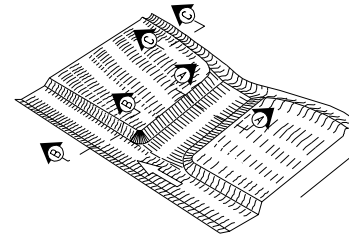


SECTIONS A-A AND B-B
Sod placement for eroded gully.

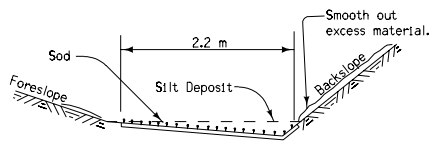


PERSPECTIVE FORESLOPE FLUME AND ROADWAY DITCH

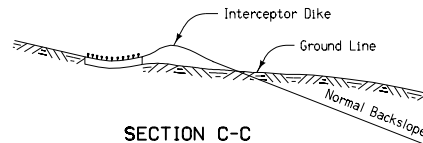


PERSPECTIVE BACKSLOPE WITH FLUME AND INTERCEPTING DITCH

NOTE:
Special care shall be taken to ensure that the ground surface adjacent to any sod channels are shaped to facilitate natural drainage into the sodded area.

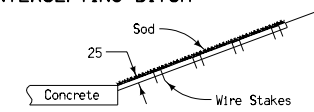


SECTION B-B
Sod placement for silted ditch in cut.



SECTION C-C

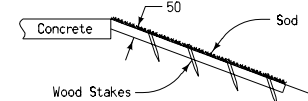
Sod placement on Interceptor Ditch



Ground surface shall be graded 25 millimeters below the edge of concrete before sod is placed.

CASE 1

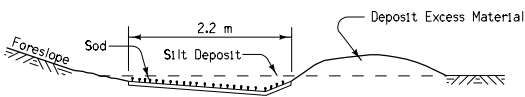
NATURAL GROUND SLOPES TOWARD CONCRETE



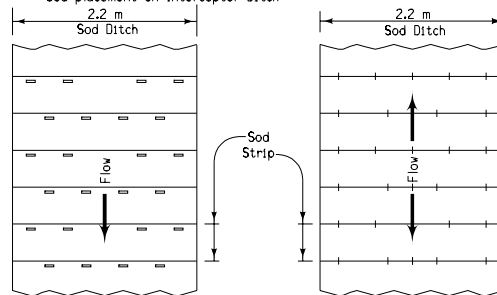
Ground surface shall be graded 50 millimeters below the edge of concrete before sod is placed.

CASE 2

NATURAL GROUND SLOPES AWAY FROM CONCRETE

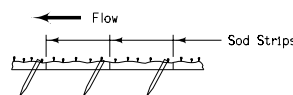


SECTION B-B
Sod placement for silted area in no-ditch section.

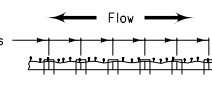


4 Wood Stakes per row, staggered in rows

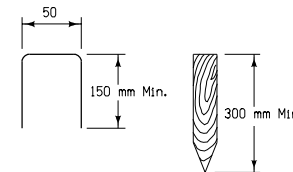
5 Wire Stakes per row, staggered in rows



WOOD STAKES



WIRE STAKES



TYPICAL WIRE AND WOOD STAKES

NOTE:
When so directed by the Engineer, longer stakes may be required for certain soil conditions to properly hold sod in place.

STAKING FOR SOD CHANNELS

GENERAL NOTES:

Through ditches or borrow areas, sod channels should be constructed at the low point. All excavated material should be wasted to fill low areas and otherwise facilitate the free flow of surface water into the channel. Alignment should be smooth. Abrupt changes should be avoided.

At locations where silt conditions require shaping of a ditch to provide a proper type of area for installation of sod for special ditch control, necessary excavation shall be done by the Contractor with the excavated material disposed of in adjacent area as directed by the Engineer.

At locations where erosion has created gullies in ditches or backslopes, the gullies shall be filled and compacted in not more than 200 mm lifts.

Unless specifically required otherwise by the Engineer, the Contractor may install any one of these options, Wire Stakes or Wood Stakes. Staking with wood or wire stakes shall be as indicated hereon. Wire stakes shall be staggered as shown. Minimum 35 stakes per 10 square meters. Wooden stakes shall be used in sod flumes when designated by the Engineer.

The work of providing proper ditches shall not be paid for directly but shall be considered incidental to other work on the project.

The shaping and grading work necessary to prepare the ground for sodding adjacent to concrete surfaces shall not be paid for separately but shall be considered incidental to other work on the project. Such grading and shaping may include the removal and disposal of excess earth, as directed by the Engineer, in order to obtain satisfactory drainage and appearance for the finished work.

All dimensions given in millimeters unless noted.

METRIC VERSION	M	Iowa Department of Transportation Highway Division	
		STANDARD ROAD PLAN RC-12	
	REVISION: Change Typical Wire Top Dimension to 50 mm.		REVISION NO. 3
	APPROVED BY: <i>William J. Steen</i> DESIGN METHODS ENGINEER		REVISION DATE 04-30-02
EROSION CONTROL DETAILS (SOD)			