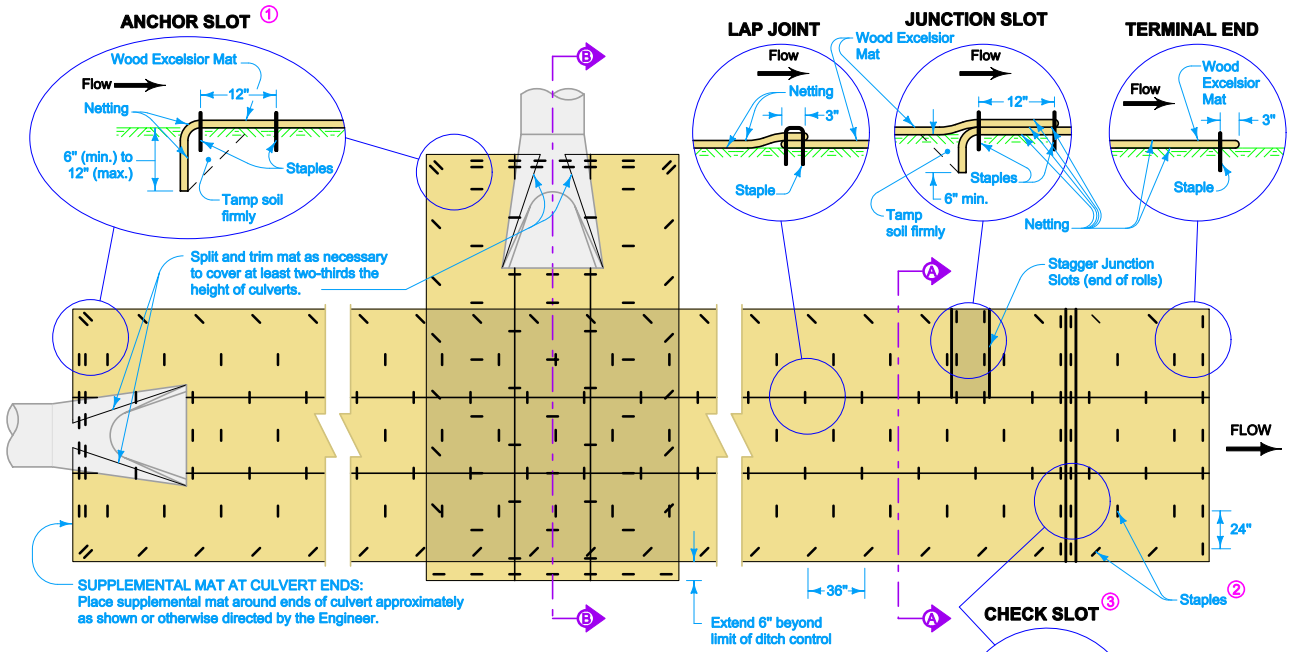
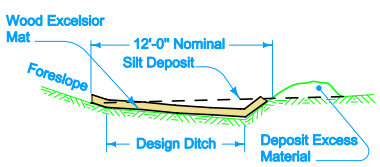
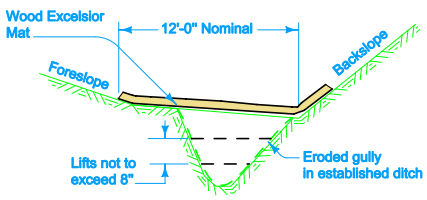




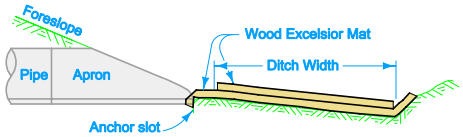
SECTION A-A

Wood excelsior placement for silted area in no ditch section.

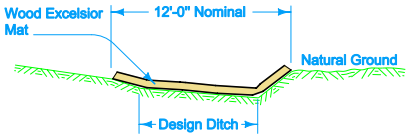


SECTION A-A

Wood excelsior placement for eroded gully.

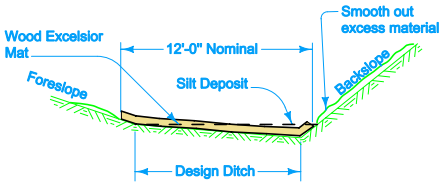


SECTION B-B



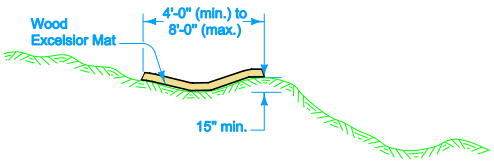
SECTION A-A

Wood excelsior placement where excavation is required for proper installation.



SECTION A-A

Wood excelsior placement for silted ditch in cut.



INTERCEPTING DITCH

Provide necessary excavation at locations where silt conditions require shaping of a ditch to provide a proper type of area for installation of wood excelsior mat for special ditch control.

Ensure ground surface adjacent to any channels is shaped to facilitate natural drainage into the protected area.

Use all excavated material to fill low areas, gullies, backslope scours, and otherwise facilitate the free flow of surface water into the channel as directed by the Engineer. Alignment should be smooth and avoid abrupt changes.

① Install anchor slot at the beginning (upstream end) of all wood excelsior mat installations.

② Place staples alternately in rows approximately 24 inches apart. Approximately 30 staples required per square (100 sq. ft.) of wood excelsior mat.

③ Space Check Slots in ditch channel so that one occurs within each 50 feet on slopes of more than 4%.

Iowa Department of Transportation

STANDARD ROAD PLAN

REVISION	
New	04-20-10

EC-101

SHEET 1 of 1

REVISIONS: New. Replaces RC-5. Removed general notes and wire staple detail.

Deanna Maifeld
APPROVED BY DESIGN METHODS ENGINEER

WOOD EXCELSIOR MAT FOR DITCH PROTECTION