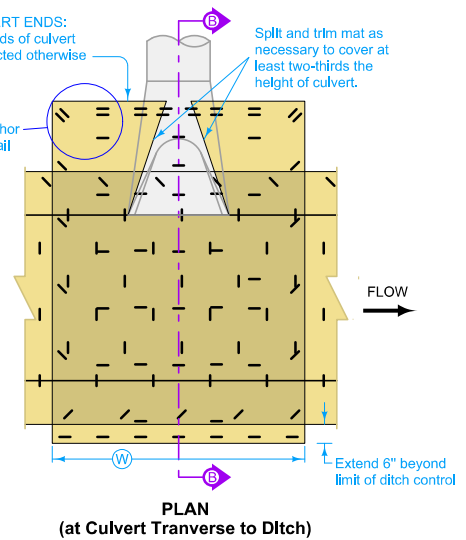
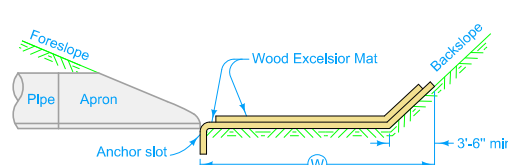
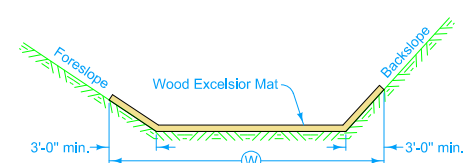


SUPPLEMENTAL MAT AT CULVERT ENDS:
Place supplemental mat around ends of culvert approximately as shown or as directed otherwise by the Engineer.

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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%.
- 4 Stagger Junction Slots (end of rolls).
- 5 Do not use Junction Slots or Check Slots when Wood Excelsior Mat is placed over Turf Reinforced Mat.

Possible Contract Item:
Special Ditch Control, Wood Excelsior Mat

Possible Tabulation:
100-22

IOWA DOT	REVISION
	1 04-21-15
	STANDARD ROAD PLAN
EC-101	
SHEET 1 of 1	
<small>REVISIONS: Replaced Section A-A drawings with one Section A-A. Added circle notes 4 and 5. Added Possible Contract Items and Possible Tabulation.</small>	
<i>Brian Smith</i> <small>APPROVED BY DESIGN METHODS ENGINEER</small>	
WOOD EXCELSIOR MAT FOR DITCH PROTECTION	