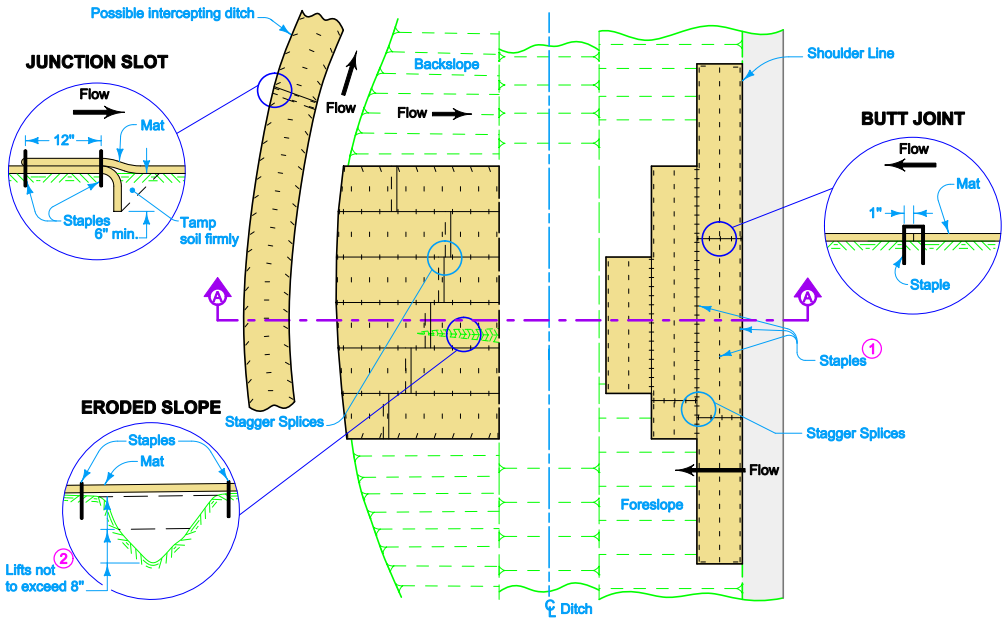
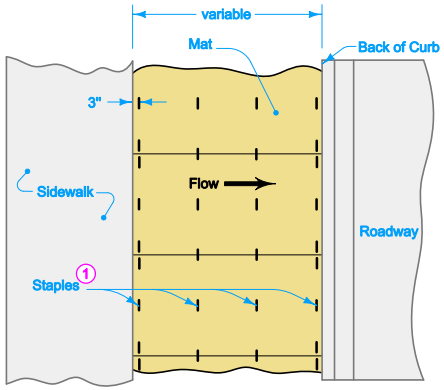
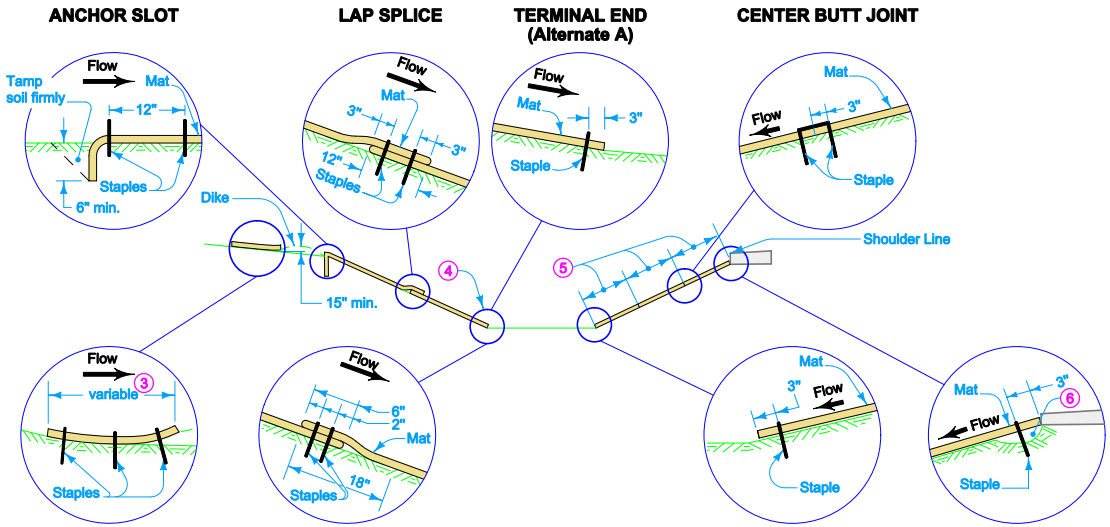


PLAN FOR BACKSLOPE AND FORESLOPE PROTECTION



PLAN FOR SIDEWALK ADJACENT TO PAVEMENT



INTERCEPTING DITCH

TERMINAL END
(Alternate B)

SECTION A-A

DOWNSIDE TERMINAL

UPSIDE TERMINAL

The work of providing suitable earth surface for placement of slope protection is incidental to preparation of seedbed. Measurement of "Slope Protection, Wood Excelsior Mat" is the actual ground surface area covered by the mat.

Ensure that ground surfaces adjacent to any channels are shaped to facilitate natural drainage into the protected area.

Excelsior mat for backslope protection is installed with strips placed approximately perpendicular to roadway. Locations for slope protection are shown on detail plans.

Excelsior mat for foreslope protection is installed with strips placed approximately parallel to roadway. The location, width, and number of strips are specified on project plans.

Price bid per square for "Slope Protection, Wood Excelsior Mat", is full compensation for installation of mat according to details shown hereon, in project plans, or as otherwise directed by the Engineer.

(1) Space top row of staples at 18 inch centers, bottom row at 36 inch centers, and all others at 24 inch centers. Approximately 30 staples required per square (100 sq. ft) of wood excelsior mat.

(2) Where erosive gullies have developed in backslope, fill with soil and compact prior to placement of mat.

(3) 4 feet minimum to 8 feet maximum or as specified. Place staples the same as for Special Ditch Control.

(4) Where excelsior mat is to be placed as Special Ditch Control, install slope protection to facilitate placement of the ditch control as indicated (Alternate B). Where there is no Special Ditch Control, install slope protection as shown (Alternate A).

(5) 4 feet unless specified otherwise for foreslope protection.

(6) If erosive rill has developed adjacent to shoulder material, fill with suitable soil and compact prior to placement of mat.

Iowa Department of Transportation

REVISION
New 04-20-10

STANDARD ROAD PLAN

EC-103

SHEET 1 of 1

REVISIONS: New. Replaces RC-14. Removed general notes and wire staple detail.

Deanna Maifield
APPROVED BY DESIGN METHODS ENGINEER

WOOD EXCELSIOR MAT FOR SLOPE PROTECTION