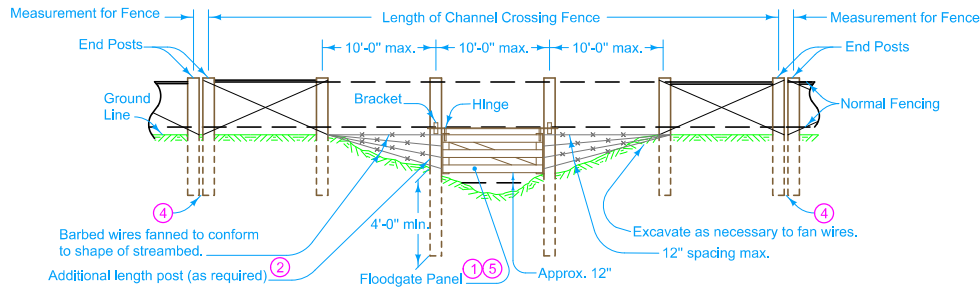
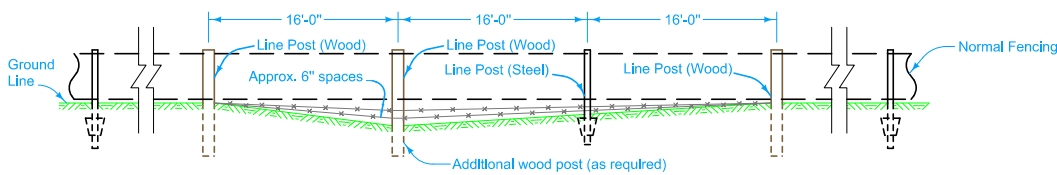


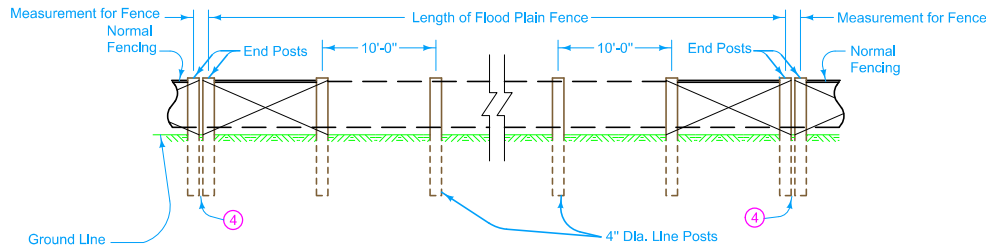
**CHANNEL CROSSING FENCE - TYPE "A"**



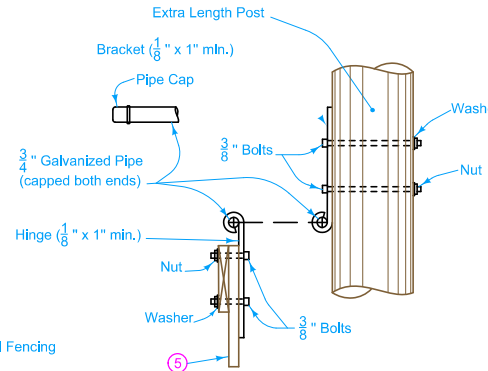
**CHANNEL CROSSING FENCE - TYPE "B"**



**LINE FENCE AT MINOR GROUND DEPRESSIONS**



**FLOOD PLAIN FENCE**



**FLOODGATE HINGE AND BRACKET**

Space line brace posts according to MI-103 where fencing is continuous and where end, corner, and line brace posts are not specified.

Double wrap barbed wire and tie off at end posts, corner posts, and line brace posts. Single wrap woven wire and tie off. Restart fence to be continued, in like manner.


Fence wire may be placed on either the road side or the field side of posts, depending on local conditions; I.E., on curves, the wire should be placed on the side which would result in the least amount of tension on the staples. This will also apply where wind, drift, or other conditions would exert unusual pressure against the wire. Place wire on the upstream side of any stream.

Refer to MI-101, MI-102, and MI-103 for layouts of General, Chain Link, Deer, and Field Fence.

- ① Floodgate is part of the Type 'B' Channel Crossing Fence.
- ② All extra length posts more than 8 feet long require a minimum embedment of 4 feet. For Flood Plain Fencing, install line posts of treated wood, 4 inches minimum diameter, 8 feet long and spaced at 10 foot centers. Maximum interval of Pull Posts Assembly is 600 feet.
- ③ For fence at minor ground depressions, additional wood line posts and up to two additional barbed wires will not be paid for directly but will be considered incidental to the price bid for Deer Fence or Field Fence.
- ④ Provide a minimum of 12 to 15 inches of clear space between adjoining end post installations.
- ⑤ Floodgate Panel built from Untreated Rough 1 in. x 8 in. (Nominal) Lumber. More than one Floodgate Panel if required by the contract documents.

Possible Contract Items:  
 Flood Plain Fencing  
 Type A Channel Crossing Fence  
 Type B Channel Crossing Fence

Possible Tabulation:  
 100-7

 <b>Iowa Department of Transportation</b>	REVISION 3   10-16-12
	<b>STANDARD ROAD PLAN</b> <b>MI-104</b> SHEET 1 of 1
<small>REVISIONS: Removed Deer Fence Construction Items, Incorporated Channel Crossings, Flood Plains, and Minor Ground Depressions Information from MI-103.</small>	
<i>Deanna Macfadyen</i> <small>APPROVED BY DESIGN METHODS ENGINEER</small>	
<b>FENCE CONSTRUCTION AT          CHANNEL CROSSINGS, FLOOD PLAINS,          AND MINOR GROUND DEPRESSIONS</b>	