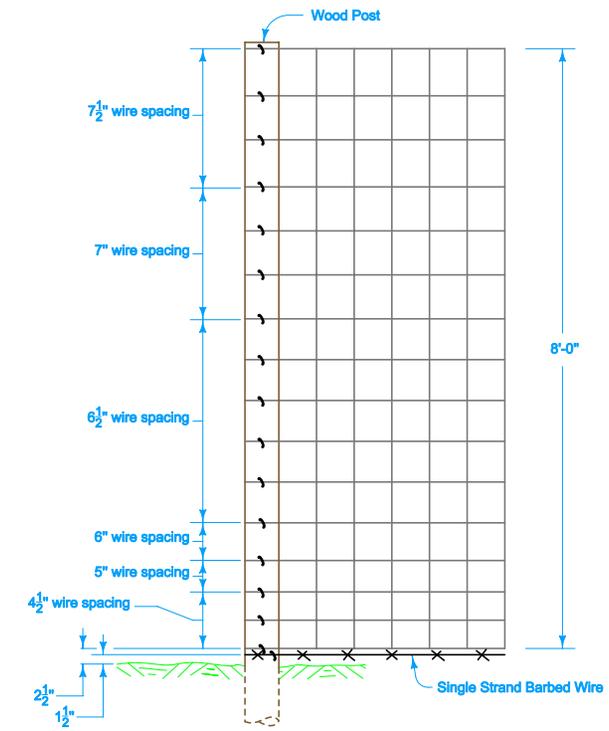
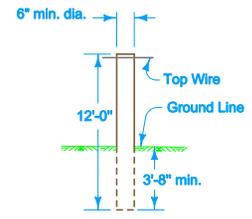


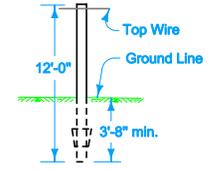
FENCE PLAN



ELEVATION



WOOD POST



STEEL POST

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.

Furnish woven Wire Fence Fabric that meets or exceeds the requirements (excluding wire spacing and fence height) for 12.5 gage wire as per ASTM A116. Space horizontal and vertical wire as shown on this detail or closer.

Deer Gate:

Furnish Tines molded in one piece of steel with no welds.

Furnish structural steel tubes with a wall thickness of 0.1875" and a unit weight of 4.32 lbs/ft.

Galvanize all tines, structural steel tubes, support plates, hinges, and top braces according to Standard Specifications [4154.10](#).

Refer to [MI-103](#) for layouts of brace posts.

Refer to [MI-103](#) for details of channel crossing installation and termination of fencing at structures.

Follow Standard Specification [2519.03A](#) for general fence construction requirements.

Measurement and Payment will be as follows with payment being full compensation for furnishing all tools, labor, and materials for required construction, including clean up after the work is complete.

Deer Fence, 96 in.: measured along the fence at the bottom of the fabric, including brace panels, excluding the length of gates. Payment will be in linear feet based on Plan Quantity. Payment for excavation in unexpected rock will be per Standard Specification [2519.05](#).

Deer Fence Brace Panels: Measurement and Payment will be per Standard Specification [2519](#) for Field Fence Brace Panels.

Gate, Deer, As Per Plan: Measurement and Payment is for each.

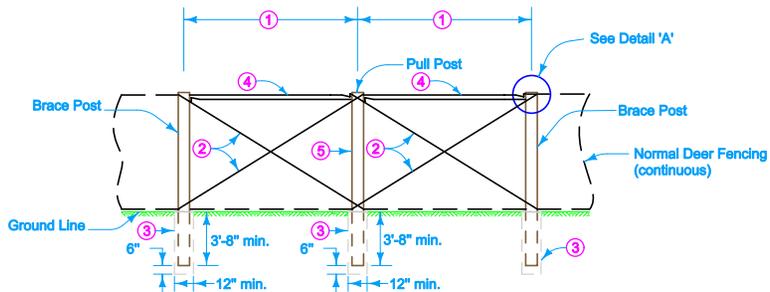
Possible Contract Items:

- Deer Fence, 96 in.
- Deer Fence Brace Panels
- Gate, Deer, As Per Plan

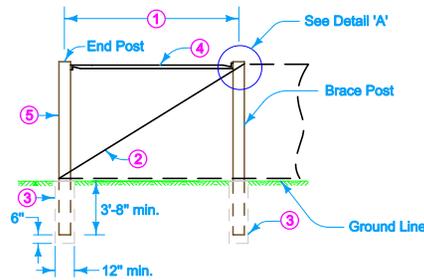
Possible Tabulation:

100-7

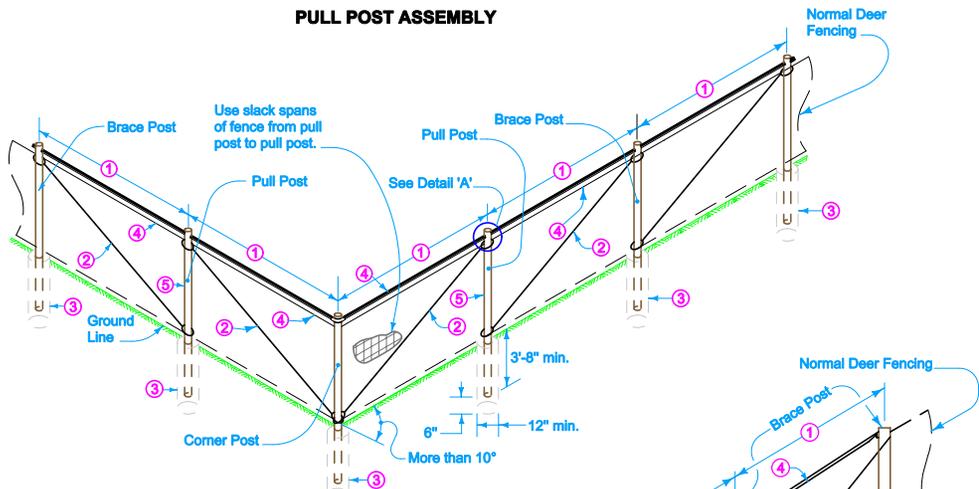
 Iowa Department of Transportation	REVISION	
	1	10-19-10
	MI-104	
STANDARD ROAD PLAN		SHEET 1 of 3
REVISIONS: Changed Metal Brace Panel length from 10' to 8' to match 4154.07 Spec. Added Possible Contract Items.		
 <small>APPROVED BY DESIGN METHODS ENGINEER</small>		
DEER FENCE CONSTRUCTION		



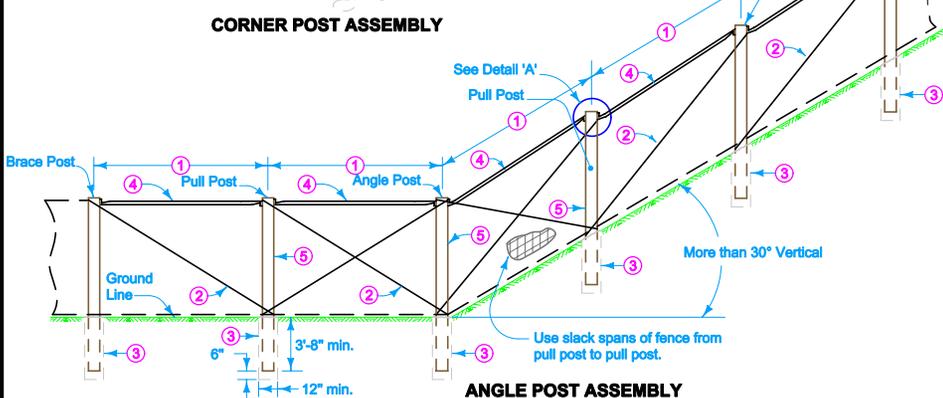
PULL POST ASSEMBLY



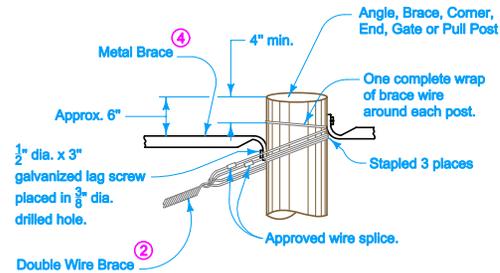
END POST INSTALLATION



CORNER POST ASSEMBLY



ANGLE POST ASSEMBLY

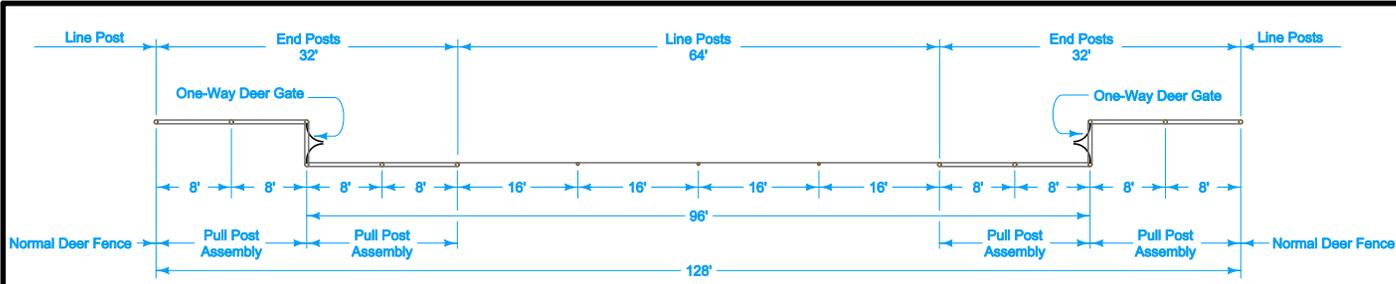


DETAIL 'A' BRACE WIRE INSTALLATION

(Brace wire wrapped the same at the bottom of post.)

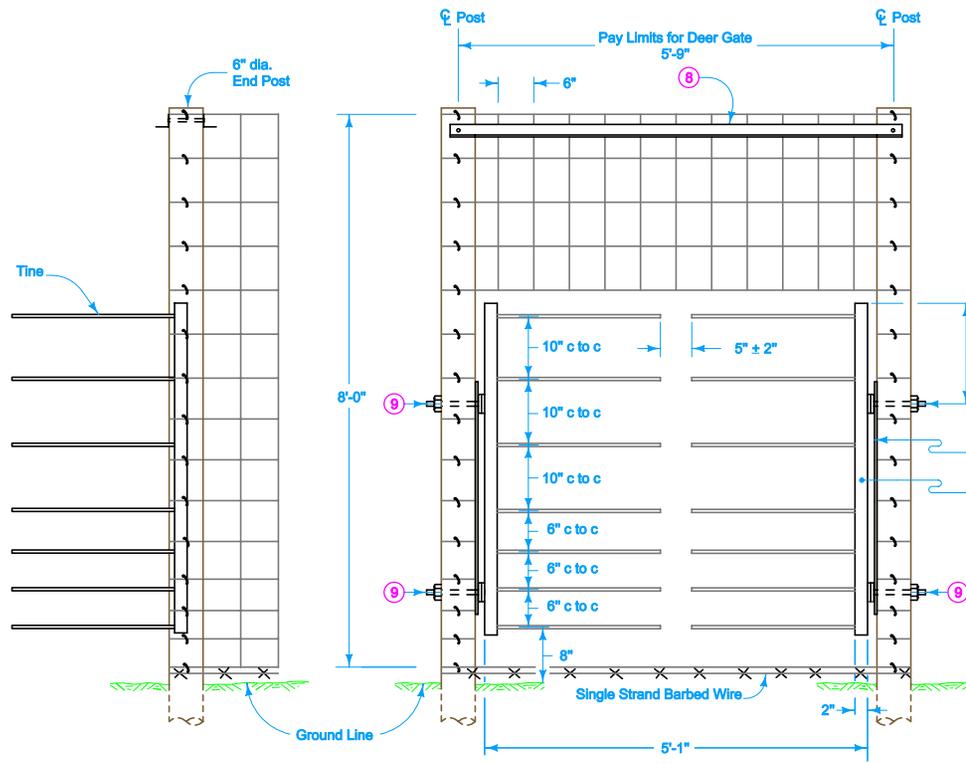
- 1 Brace Panel.
- 2 Brace wire: 4 strands of No. 9 wire.
- 3 Details indicate placement of granular material for certain posts. Posts may be driven if satisfactory method is demonstrated to the Engineer. Granular material will not be required for driven posts.
- 4 Metal Brace 8 feet long.
- 5 Wrap wire fabric around post.
- 6 Twist the two brace wires together to produce proper tension in the brace assembly.

<p>Iowa Department of Transportation</p> <p>STANDARD ROAD PLAN</p> <p>REVISIONS: Changed Metal Brace Panel length from 10' to 8' to match 4154.07 Spec. Added Possible Contract Items.</p> <p style="text-align: right;"><i>Deanna McFalls</i> APPROVED BY DESIGN METHODS ENGINEER</p>	REVISION
	1 10-19-10
	MI-104 SHEET 2 of 3
DEER FENCE CONSTRUCTION	



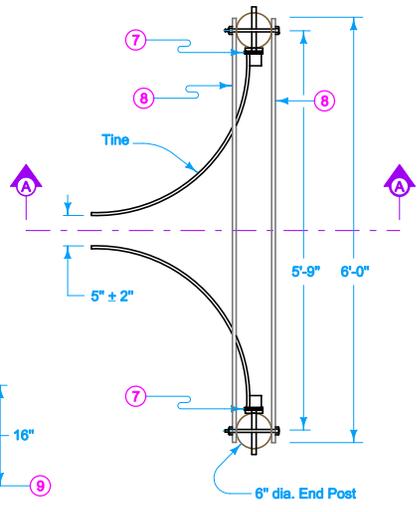
GATE PLAN

- ⑦ Spring loaded hinge allows tines to spread apart and return to original position.
- ⑧ Two 2 in. x 2 in. x $\frac{1}{8}$ in. L top braces held by $\frac{1}{2}$ inch diameter bolts.
- ⑨ Attach nut and washer to each bolt.
- ⑩ Support Plate 3 in. x $\frac{5}{16}$ in. x 37 in.
- ⑪ 2 in. x 2 in. x 54 in. structural steel tubing welded to Hinge Plate.
- ⑫ $\frac{3}{4}$ in. diameter x 8 in. bolt welded to Support Plate

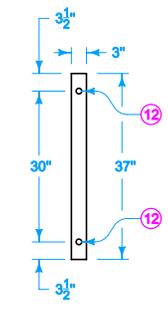


SECTION A-A

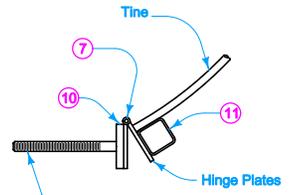
GATE FRONT



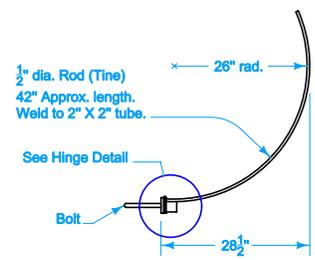
GATE TOP



SUPPORT PLATE



HINGE



TINE

<p>Iowa Department of Transportation</p> <p>STANDARD ROAD PLAN</p> <p>REVISIONS: Changed Metal Brace Panel length from 10' to 8' to match 4154.07 Spec. Added Possible Contract Items.</p> <p><i>Deanna McFalls</i></p> <p>APPROVED BY DESIGN METHODS ENGINEER</p>	<p>REVISION</p> <p>1 10-19-10</p>
	<p>MI-104</p> <p>SHEET 3 of 3</p>
	<p>DEER FENCE CONSTRUCTION</p>