

COFFEY COUNTY

LAGOON

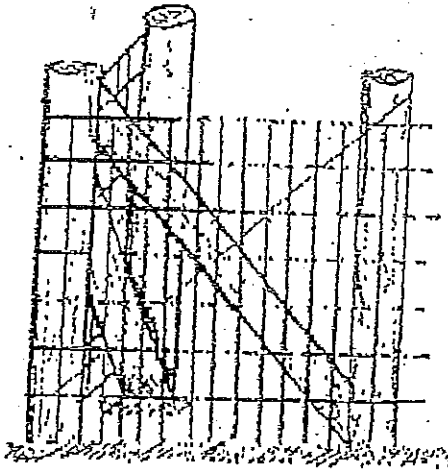
FENCING

SPECIFICATIONS



01/26/2016

STANDARD BRACING FOR CORNERS (WITH "N" STYLE BRACING)



Corner Post - Material: pressure treated post,
Osage Orange, creosoted post or pipe.

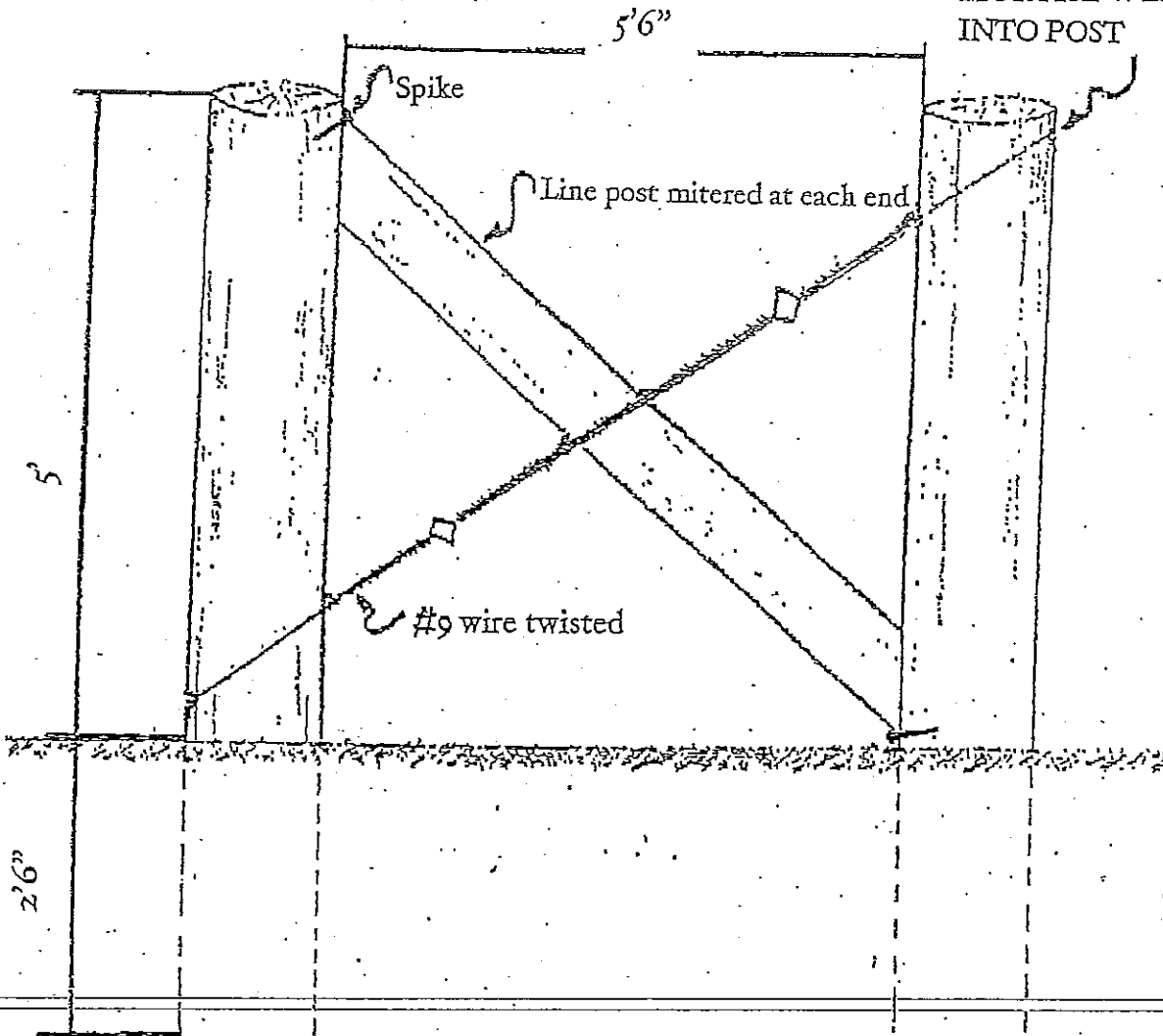
Corner Post Size: 8" O" x 5" top

Wire: #9: 4 strands or barbed

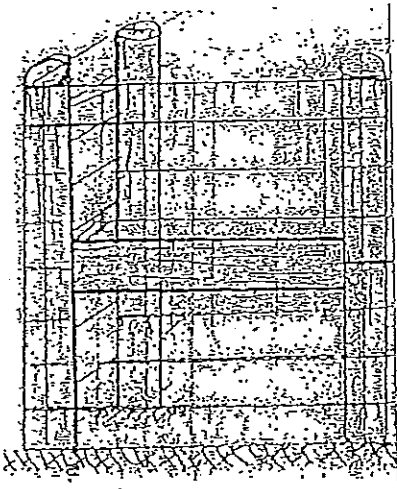
Spike: #20: 4 per side

****NOTE: NO LANDSCAPE TIMBERS OR
SQUARE POSTS ARE TO BE USED.

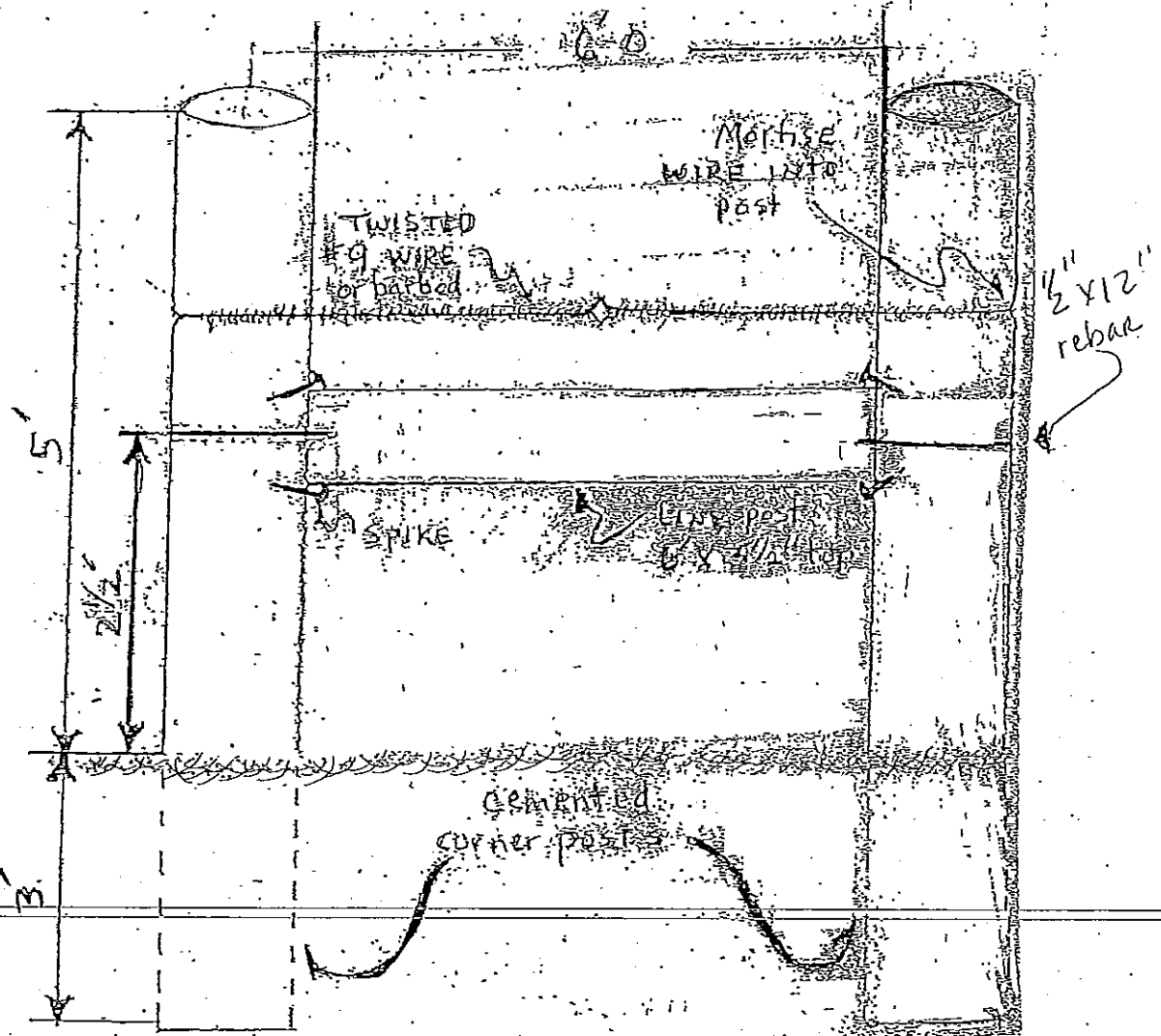
MORTISE WIRE
INTO POST



Standard Bracing For Corners (H-style)



- Corner Post: Material:
- Pressure treated post
 - Osage Orange post
 - Creosoted post
 - Pipe post
- Wire - #9 ; 4 strands
twisted & barbed
- Spike - #20 ; 4 per side





Coffey County Environmental Health Department

Coffey County Courthouse
110 South Sixth Street
Burlington, KS 66839

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COFFEY COUNTY SANITATION/ENVIRONMENTAL CODE FENCING & MAINTENANCE REQUIREMENTS

Section 2-4 Requirements for all Private Wastewater Treatment Systems

Section 2-4.7.2 Additional Operational Requirements for Wastewater Stabilization Pond (Lagoon)

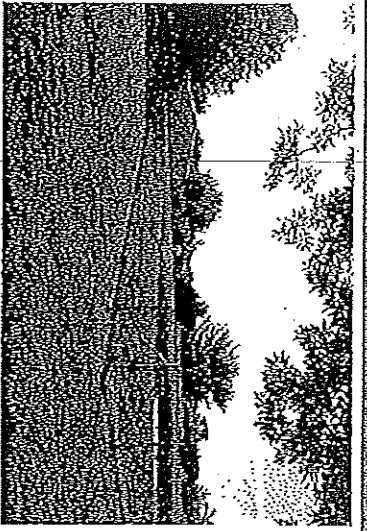
- a. Fencing Required - Fencing is required around all private wastewater stabilization ponds or lagoons. The Sanitation Officer must maintain a policy for fencing and fencing approval.
 1. Fencing wire should be installed to a minimum height of four feet.
 2. Corner posts must be of substantial construction. Creosote, Osage Orange or pipe corner posts are acceptable.
 3. Corner posts must be cemented or installed to a depth adequate to support the corner and provided with an "H" or "N" style brace at each corner.
 4. A four-foot high hung gate with a lock must be provided. The gate width must be no less than four feet. The gate width may be wider to accommodate large mowing equipment.
 5. The fencing must be placed at least a minimum of 3 feet out from the toe of the outer berm to help facilitate maintenance.
 6. A chain link fence (2" x 2") or welded wire fencing with openings no greater than 2" x 4" is acceptable.
 7. In areas where livestock will have access to the fence, the fence posts must be tall enough to install strands of barbed wire or a single strand of electric fencing at the top of the fence post.
 8. Fence posts must be no further than twelve (12) feet apart.
- b. Fencing standards are referenced in K-State Research and Extension Publication most recent edition of MF-1044, "Wastewater Pond Design and Construction" which is hereby incorporated herein by reference and the most recent edition of MF-2290 "Wastewater Pond Operation, Maintenance and Repair" which is hereby incorporated herein by reference; Environmental Health Handbook or other references as published or approved by the Administrative Agency.

***Fencing Contractor List may be found on the back of the FY 2018 Coffey County Licensed Wastewater System Contractors List. Coffey County Lagoon Fencing Specifications are available at the Health Dept.*

Section 2-4.7 Operation and Maintenance

All private wastewater treatment systems shall be maintained in good working condition. Whenever the Sanitation Officer shall find any private wastewater treatment system malfunctioning, the owner and/or user shall be ordered to correct the condition. Permit holders should observe the following maintenance guidelines, which help to avoid failure as defined in Section 2-2.28:

- a. Keep the system free of habitat that favors vector breeding;
- b. Prohibit wastewater other than domestic wastewater such as shop or garage floor drains with oils and greases;
- c. Adequately limit vegetation growth on, in or around the private wastewater treatment system;
- d. Avoid building, parking or driving on or over sewer pipes;
- e. Maintain the system so it is free of any condition hazardous to public health;
- f. Retain the effluent within the private wastewater treatment system and not allow discharge onto the surface of the ground, into any ditch, any water course, or into the waters of the State.



Drowning is the second leading cause of accidental death of children. Fencing of wastewater ponds is essential to protect children, pets and other animals. These ponds contain sewage that an easily spread disease and when unfenced they are a health hazard and a liability. State standards and county Codes (including Coffey County) require that they be fenced.

The fence should be located at least 3 feet outside the embankment toe or further back to help facilitate maintenance. By placing the fence at the toe or further back, it makes moving the embankment easier and keeps livestock (if present) from destroying the integrity of the outer embankment. The fence should never be on the water side of the embankment because it makes controlling vegetation very difficult.

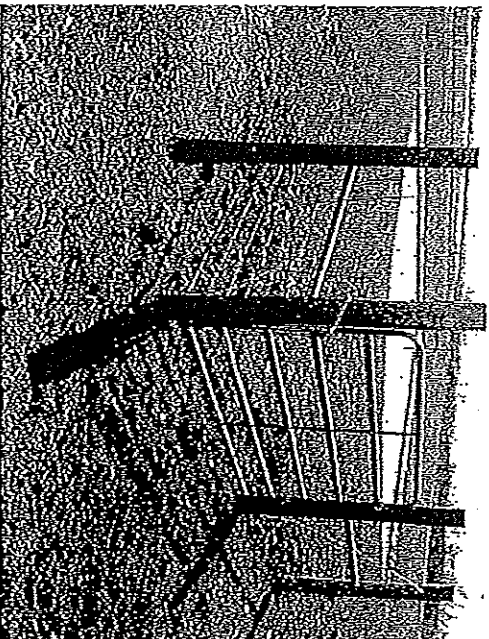
A large (at least 4 feet wide and may be wider) rigid-frame, hinged gate should be provided to allow easy access. The gate should be covered with the same fencing wire as the rest of the lagoon fence. The gate should be padlocked when not doing maintenance.

The fence should be at least 4 foot tall but may need to be taller. Fence opening should be no larger than about eight square inches (2x4 or 2 3/4 x 2 3/4 inches) or vertical slots no wider than 1 1/2 inch. The material should be strong enough to stand up to children, wildlife and livestock, if present. One or two barbed wire strands should top the fence when livestock are present. A single strand of barbed wire placed at the bottom on the fence will help to keep livestock from rooting under the fence.

Fence posts must be of substantial construction. Creosote, Osage orange or pipe corner posts are acceptable. (No landscape timbers or square posts. They must be cemented and provided with an "H" or "N" style brace at each corner. The line posts should be spaced 10 to 12 feet apart. If you have any questions regarding fencing your lagoon, please give the Sanitation Officer a call at the telephone number listed on the front of the brochure. Deviations from the fencing diagrams may cause additional work before the facility may be permitted.

Information from: KS Bulletin M-2-044 Wastewater Ponds
Design & Construction & County Fencing Standards

COFFEY COUNTY WASTEWATER POND FENCING SPECIFICATIONS & PICTORIAL BROCHURE



Coffey County Environmental Health Department
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Burlington, KS 66839
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