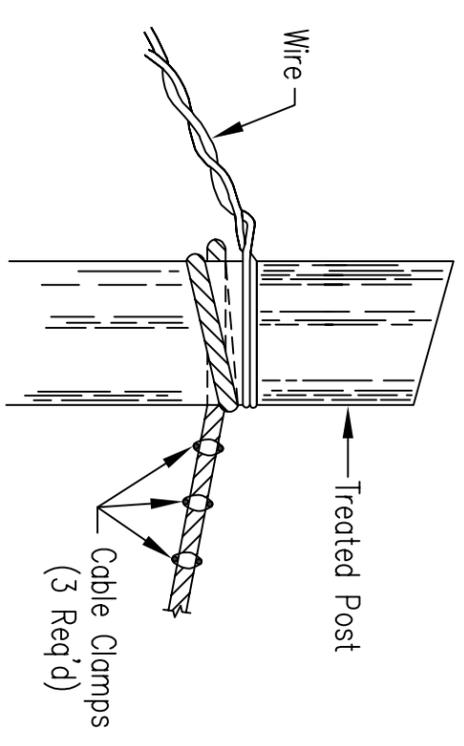
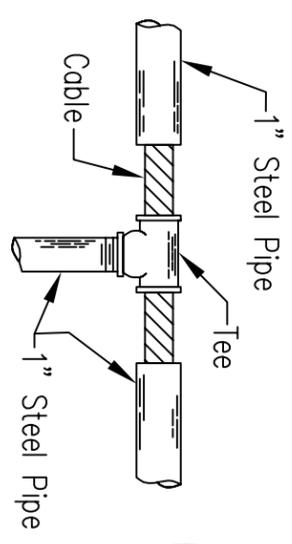


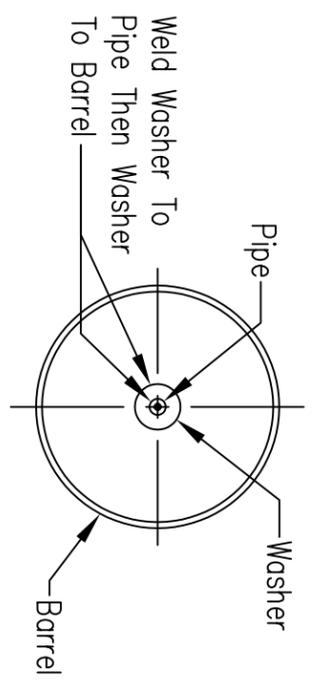
ELEVATION



DETAIL A-ELEVATION



DETAIL B

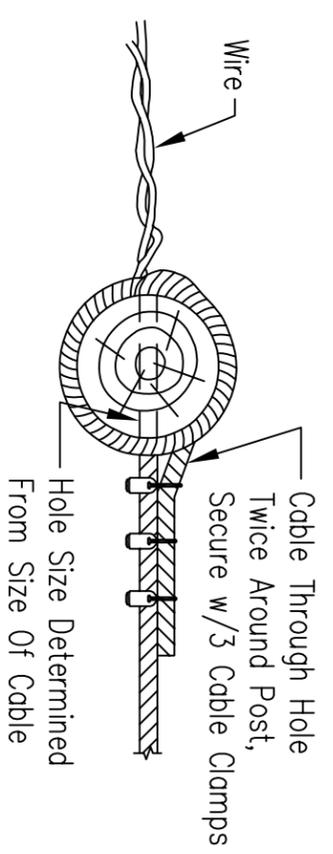


TYPICAL END VIEW OF BARREL

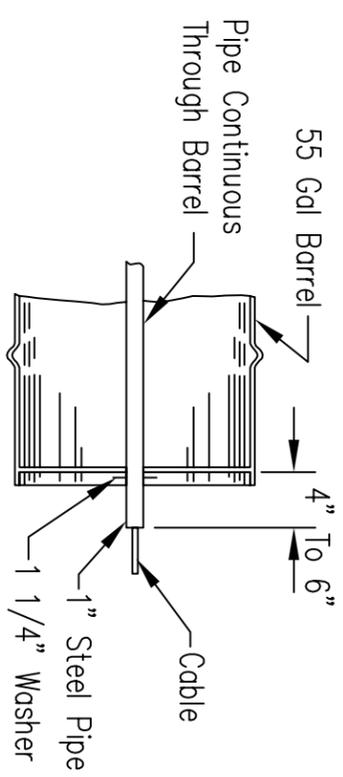
- Notes:
1. Barrels should be water tight.
 2. Ream all pipe ends with standard pipe reamer.
 3. Barrels should be able to roll individually in order to be effective.
 4. Paint barrels with one coat antirust and one coat regular paint.
 5. To estimate length of cable.

$$L = w[1 + 2/3(2d/w)2] + T$$

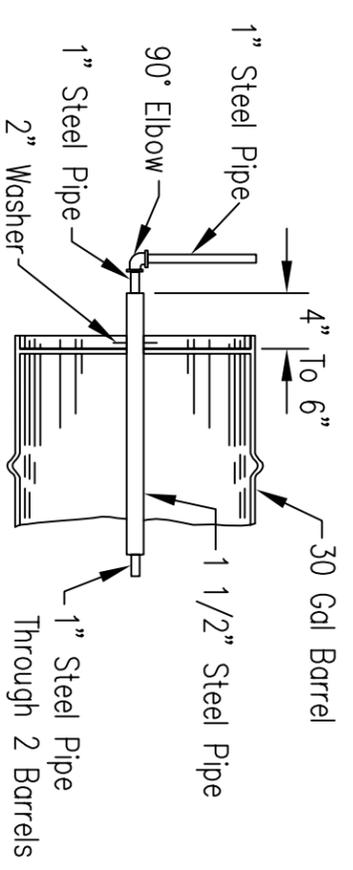
Where w=horizontal distance between cable supports.
 d=depth to cable (sag) at center of channel.
 t=tying length required.



DETAIL A-TOP VIEW



DETAIL D



DETAIL C

		Date
Designed		
Drawn	M. QUINONES	1/07
Checked		
Approved		

SWINGING BARREL WATER GATE



Natural Resources Conservation Service
 United States Department of Agriculture

File No. 11-826
 Drawing No.