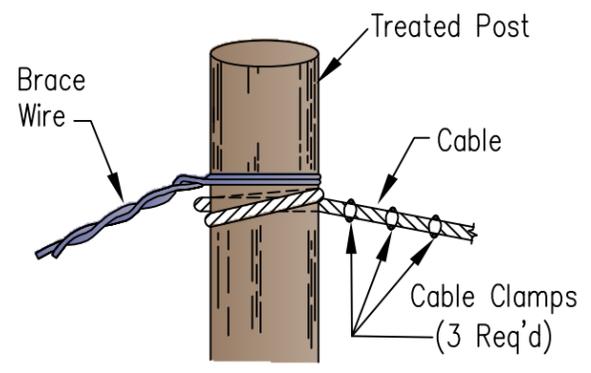


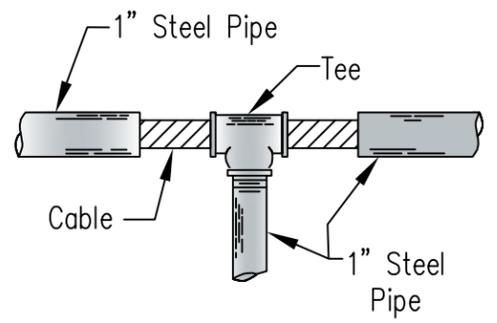
**ELEVATION**

- 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 anti-rust and one coat regular paint.
  5. To estimate length of cable.  

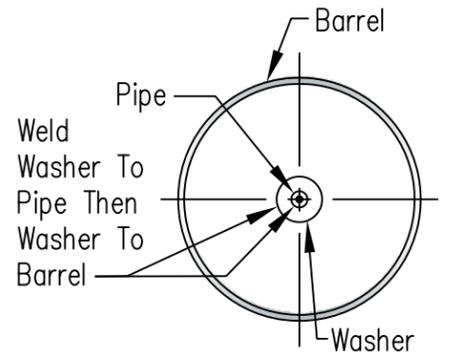
$$L = w[1 + 2/3(2d/w)^2] + t$$
 Where w=horizontal distance between cable supports.  
 d=depth to cable (sag) at  $\phi$  of channel.  
 t=tying length required. (12 ft min)
  6. Not for use where stream width exceeds 60 feet.



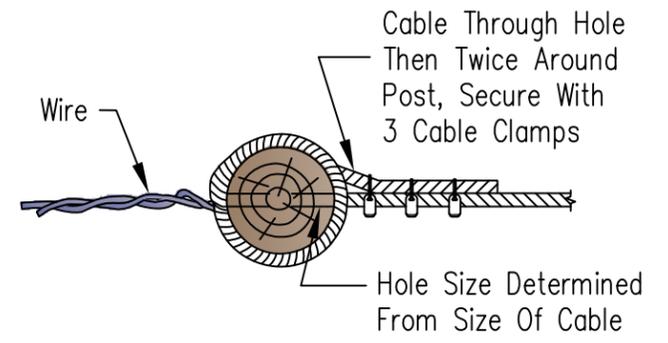
**DETAIL A-ELEVATION**



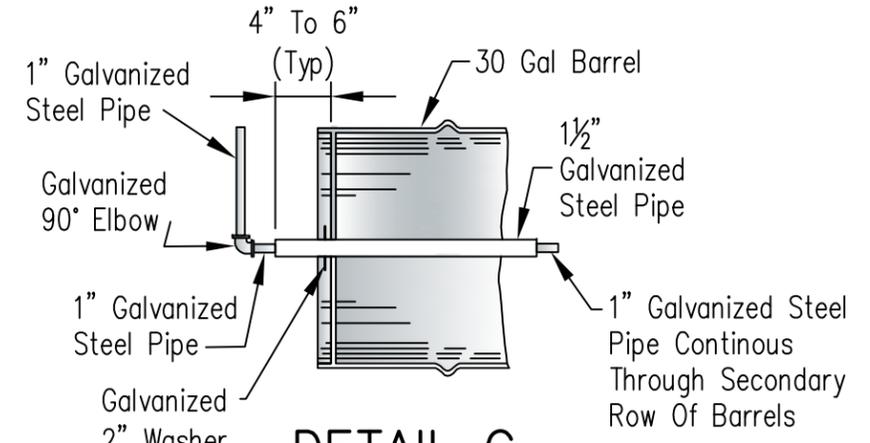
**DETAIL B**



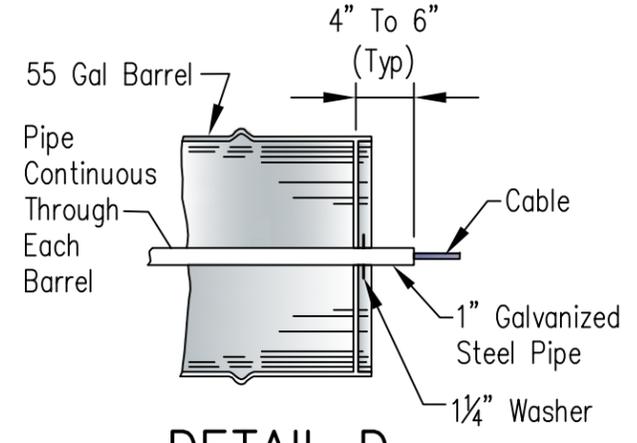
**TYPICAL END VIEW OF BARREL**



**DETAIL A-TOP VIEW**



**DETAIL C**  
At Centerline Secondary Row



**DETAIL D**  
At Centerline Primary Row

Not To Scale

Date	4/1/14
Designed	M. QUINONES
Drawn	
Checked	
Approved	

**SWINGING BARREL WATER GATE**

