

**NOTE 1:** BOTTOM OF THE PILE TO BE 5' BELOW FLOWLINE.

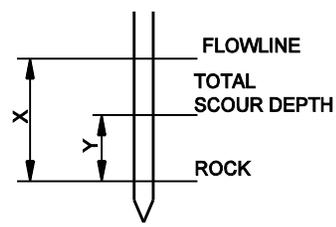
**NOTE 2:** BOTTOM OF THE FOOTING TO BE 2' BELOW SCOUR RESISTANT ROCK. THE TOP OF THE FOOTING MUST BE BELOW THE FLOWLINE.

**NOTE 3:** TOP OF THE FOOTING TO BE BELOW  $Q_{100}$  CONTRACTION SCOUR ELEVATION. BOTTOM OF THE FOOTING SHALL BE 6' BELOW FLOWLINE. IF BOTTOM OF THE FOOTING IS ABOVE TOTAL SCOUR DEPTH, PILES MUST BE DESIGNED AS COLUMNS.

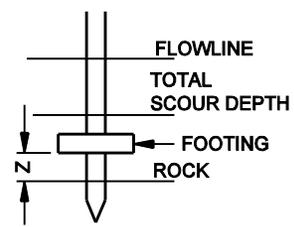
**LEGEND:**

- (A) MINIMUM PILE TIP ELEVATION TO BE 10' BELOW  $Q_{500}$  TOTAL SCOUR DEPTH
- (B) MINIMUM 3' CORE INTO SCOUR RESISTANT ROCK
- (C) DRIVE TO ULTIMATE BEARING IN ROCK
- (D) MINIMUM PILE TIP ELEVATION TO BE 10' BELOW BOTTOM OF THE FOOTING

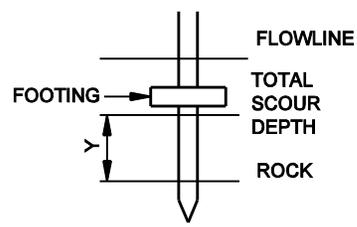
**GENERAL NOTES:**  
 CORED HOLE IN ROCK SHALL BE BACKFILLED WITH CONCRETE.  
 FOR FRICTION PILE, SIDE FRICTION OBTAINED ABOVE TOTAL SCOUR ELEVATION SHALL BE NEGLECTED.



**FIGURE 1**



**FIGURE 2**



**FIGURE 3**

**PILE TIP ELEVATION GUIDELINES**  
 (For Body of Water)  
**Figure 66-3B**