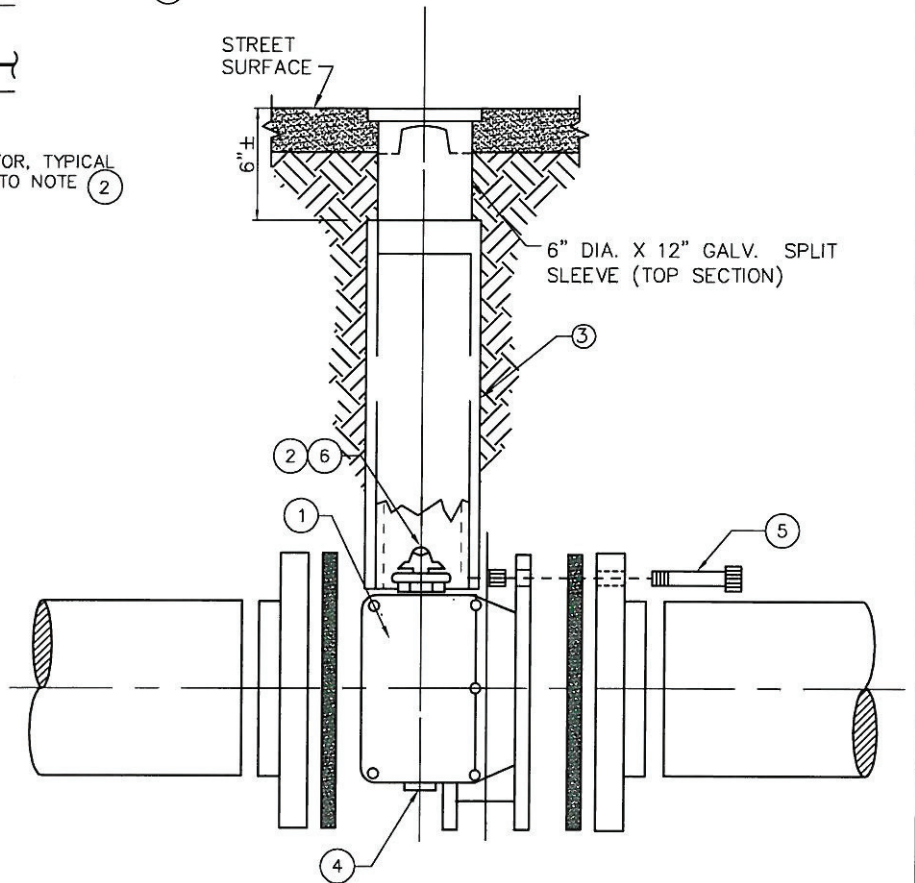


**BUTTERFLY VALVE
OPERATOR POSITIONS**



NOTES:

- ① ALL BUTTERFLY VALVES SHALL BE MINIMUM CLASS 150-B RUBBER SEAT TIGHT CLOSING TYPE MEETING OR EXCEEDING A.W.W.A. STANDARD C-504. THE VALVE BODY SHALL BE SHORT BODY TYPE DUCTILE IRON. SEE ADDITIONAL WRITTEN DESIGN GUIDELINES AND SPECIFICATIONS. BUTTERFLY VALVE TO BE USED ON WATERLINES 14" OR LARGER.
- ② THE OPERATING NUT SHALL BE A 2-INCH MANUAL OPERATOR, THE OPERATING NUT SHALL TURN COUNTER CLOCKWISE AND BE PLACED AS SHOWN ABOVE ON THE WATER MAIN CENTERLINE.
- ③ INSTALL A VALVE BOX PER STD. DWG. 4005.
- ④ FLANGED BUTTERFLY VALVE (SIZED PER PLAN) OR APPROVED EQUAL.
- ⑤ BOLTS AND NUTS SHALL BE ASTM A307 WITH COARSE SCREW THREADS.
- ⑥ SEE STD. 4110 FOR VALVE OPERATOR EXTENSION REQUIREMENTS.



APPROVED BY:				
<i>[Signature]</i>		44485	3/24/14	
LOUIS ABI-YOUNES, CITY ENGINEER		RCE	DATE	
RECOMMENDED:				
<i>[Signature]</i>		62268	3/13/14	
DENNIS MEJIA, UTILITIES ENGINEERING DIVISION MGR.		RCE	DATE	
REV	DESCRIPTION	BY	APP'D	DATE

CITY OF ONTARIO	
BUTTERFLY VALVE AND BOX	STANDARD DRAWING NUMBER 4006