STEM EXTENSION FABRICATION NOTES

1. All welds to riser shaft shall be fillet weld all around as specified below.
2. All steel required for riser fabrication shall be structural steel per ASTM A36.

VALVE STEM EXTENSION PARTS LIST

1. Valve operating nut or 1-7/8"x1-7/8"x2"
   High tensile steel welded to top plate.
2. 3/8" thick x 7-1/2" dia. free spinning guide plate, with 3-5/8" dia. hole in center.
3. Two 3/16"x1-1/2"x1-1/2"x1-1/2"x5/8"L steel angle, weld to two sides of extension shaft.
4. 2-1/2" x 3/16" square steel tubing length as required edge to edge to top plate.

INSETED #12 solid copper tracer wire with 12" pigtail inside valve box, outside riser pipe.

NOTES

1. Valves 4" through 16" shall be resilient seated gate valves. Larger valves shall be butterfly valves.
2. Gate valves shall conform to AWWA Specification number C509.
3. All external bolts and nuts on valves shall be 304 stainless steel or the entire valve shall be wrapped tightly with polyethylene film held securely with adhesive tape.
4. If valve is installed so that the top of the operating nut is less than 30" below finished grade, the valve stem riser is not required.
5. For installation of cut-in valve and tapping valve, see Std. 878.