TABLE 3 - 1
PROPOSED TWENTY YEAR PLAN FOR WATER SYSTEM CAPITAL IMPROVEMENTS

| Priority | Project Description | Year | Est. Cost |
|----------|--|---------|------------|
| | CAPITAL IMPROVEMENT STAGE ONE, 1997 - 2000 | | |
| 1. | New water supply well, piping, and electrical controls | 1997 | \$22,000 |
| | Replace the Green Lane 3/4-inch supply line with 2-inch PVC | 1997 | 2,000 |
| | Replace the Cove Lane 2-inch GI pipe with 2-inch PVC | 1997 | 3,000 |
| 2. | Rebuild pump house, mechanical & electrical code upgrades | 1998 | 24,000 |
| 3. | High Zone tank piping replacement, and addition of a sand filter. | 1998 | 17,000 |
| 4. | High Zone tank site, addition of a 50,000 gallon redwood tank | 1999 | 60,000 |
| | Total estimated costs for Stag | e One = | \$ 128,000 |
| | CAPITAL IMPROVEMENT STAGE TWO, 2001 - 2004 | | |
| 1. | Main High Zone tank, repair dry rot and line with protective liner. | 2001 | \$ 19,000 |
| 2. | Install water corrosion control and treatment system at well site | 2002 | 20,000 |
| 3. | Add 5 Low Zone main line 4-inch control valves | 2003 | 11,000 |
| | Replace 25 High Zone service meters (first ½ of total) | 2003 | (2,000) |
| | Replace 3 High Zone 6 inch main line valves | 2003 | (8,000) |
| | Beginning internal cleaning of transmission main pipe line | 2003 | 4,000 |
| 4. | Replace 2 High Zone main line valves | 2004 | 6,000 |
| | Replace 25 High Zone service meters (last 1/2 of total) | 2004 | 2,500 |
| · | Complete cleaning of High &Low Zone main pipe lines, including pipe repairs, and concrete encasement of shallow lines. | 2004 | 30,000 |
| | Total estimated costs for Stage | = Two | \$ 102,500 |
| | CAPITAL IMPROVEMENT STAGE THREE, 2005 - 200 | 8 | |
| 1. | Drill a new backup well including new piping, clean main well, and seal the original backup wells. | 2005 | \$ 24,000 |
| 2. | Replace single spout Low Zone fire hydrants (10 units) | 2006 | 22,000) |
| 3. | Replace defective main line control valves throughout system | 2007 | 18,000 |
| | Replace remaining single spout fire hydrants in High Zone | 2007 | 6,000 |

TABLE 3 - 1, Continued

| Priority | Project Description | Year | Est. Cost |
|------------|--|-----------------|------------|
| Capital in | nprovement stage three, 2005 - 2008 Continued | | |
| 4. | Clean the primary well and replace pump on main well (1st new well drilled in 1996, old pump was used) | 2008 | 15,000 |
| | Begin high pressure cleaning of High Zone piping system | 2008 | 10,000 |
| | Total estimated costs for Stage | Three = | \$ 97,000 |
| | CAPITAL IMPROVEMENT STAGE FOUR, 2009 - 20 | 12 | |
| 1. | Drain, clean and repair interior; install a liner in Low Zone tank | 2009 | \$ 25,000 |
| 2. | Accumulate funds to relocate and replace the transmission main | 2010 | 24,600 |
| 3. | Continue accumulation of funds to complete Stage 4 - 2 above | 2011 | 24,600 |
| 4. | Complete replacement and relocation of transmission main, total estimated cost of this project is \$65,000. | 2012 | 15,800 |
| | Replace Low Zone service meters (90 meters) | 2012 | 9,000 |
| | Total estimated costs for Stag | ge Four = | \$ 99,000 |
| | CAPITAL IMPROVEMENT STAGE FIVE, 2013 - 201 | 16 | |
| 1. | Drain clean and repair smaller High Zone storage tank | 2013 | \$ 15,000 |
| | Replace Cove Lane 2-inch G. I. service main with 2" PVC | 2013 | 4,500 |
| 2. | Replace High Zone service meters (60 units) | 2014 | 7,000 |
| | Replace 3 valves in pressure regulating stations | 2014 | 17,000 |
| 3 & 4 | Replace distribution system piping and valves as needed | 2015 - 2016 | 60,000 |
| | Total estimated costs for Sta | ge Five = | \$ 103,500 |
| | TOTAL ESTIMATED COSTS FOR THE TWENTY YEAR | PLAN = | \$ 530,000 |
| NOTES: | Estimated costs are adjusted for an annual inflation rate of 3%. Estimated costs include construction, engineering, and administrative costs. When and where deemed feasible the rebuilding of valves, hydrants and service meters is used to determine project costs. The staged construction timing attempts to anticipate the correct time for major improvements, repairs, and replacement. However, actual system operational demands will take precedence over the staged timing of events, e. g. Early failure of a used well pump will cause immediate replacement. | | |

SPECIAL CONSIDERATIONS

The foregoing Schedule of Capital Improvements is premised on the condition that the distribution system piping will continue in service and not require 100% replacement. The scheduled improvements are designed to extend the life span of the general piping system and facilities, as this is considered to be the most economical methodology.

This premise is not infallible, and unknown conditions of greater existing deterioration can dictate the necessity to replace all, or at least major sections of the distribution system. Also, the last year of the Twenty Year Plan is 2016, which is one year beyond the normal life span of the distribution system piping and storage tanks. Advance planning for complete replacement, either at the end of the Twenty Year Plan, or when existing conditions dictate the need, should be considered. The estimated 100% replacement costs are estimated in Table 3-3 below, using 1996 as the base year for value.

TABLE 3 - 2 100% REPLACEMENT CONSIDERATIONS, 1996 DOLLARS

| Item # | Project Description | Est. Cost |
|--------|---|-------------|
| 1. | Replace High Zone 150,000 gallon storage tank with a 200,000 gallon two-celled concrete reinforced tank, including piping and controls. | \$ 335,000 |
| 2 | Replace the Low Zone 100,000 gallon storage tank with a 100,000 gallon two celled concrete reinforced tank, including piping and controls. ¹ | 190,000 |
| 3. | Replace the Low Zone distribution system piping with 6 inch C-900 pipe. Note, if 100% replacement is required, 6 inch pipe should be used to conform to current day fire codes and standards. | 330,000 |
| 4. | Replace the High Zone distribution system piping with 6 inch C-900 pipe. | 415,000 |
| | TOTAL ESTIMATED COSTS = | \$1,215,000 |
| | Duplicated in | 176,000 |
| · | Duplicated in 20 yr. plan | = 1,039,000 |

¹ The low zone distribution system was originally constructed with 4-inch PVC pipe, and in many locations was not placed adequately deep below the land surface. Whenever repairs are required that involve more than one full length of pipe (10 feet), replacement of a full pipe section (from fire hydrant to fire hydrant, approximately 400 feet, or control valve to control valve) should be considered. The full section replacement should include a change to 6-inch pipe (in accord with current American Water Works standards), having a minimum cover of 24-inches from the top of the pipe to the finished ground surface.