



## Ponderosa Community Club -- Water Mains Replacement Project Preliminary Cost Estimate -- November 2008

| Priority Level            | Location   |  |  | Water Mains   |          |                      |                                   | Fire Hydrants |                                      | Service Meters  |             |                 |             | Water     | Pavement                           |                 |                 | Water & Pavement | Phasing and Inflation |                                      |                         |              |                         |              |                                   |
|---------------------------|--|--|--|---------------|----------|----------------------|-----------------------------------|---------------|--------------------------------------|-----------------|-------------|-----------------|-------------|-----------|------------------------------------|-----------------|-----------------|------------------|-----------------------|--------------------------------------|-------------------------|--------------|-------------------------|--------------|-----------------------------------|
|                           |  |  |  | Existing Size | New Size | Length (ft)          | Est. Cost Mains Only <sup>1</sup> | Quantity      | Est. Cost Hydrants Only <sup>2</sup> | Single Quantity | Single Cost | Double Quantity | Double Cost |           | Est. Cost Meters Only <sup>3</sup> | Total Est. Cost | Repair (sq. ft) |                  | New (sq. ft)          | Est. Cost Pavement Only <sup>4</sup> | Total Est. Cost 2008 \$ | Phase Number | Est. Phase Cost 2008 \$ | Project Year | Inflation Correction <sup>5</sup> |
| 1                         | Camp 12  | Thoroughbred                             | Booster Pump Station                     | 4"            | 8"       | 2000                 | \$118,000                         | 1             | \$4,000                              | 4               | \$4,800     | 8               | \$13,600    | \$18,400  | \$140,400                          | 12,000          | 0               | \$39,100         | \$179,500             | I                                    | \$299,200               | 2010         | 6%                      | \$317,200    |                                   |
| 2                         | Riata  | Camp 12                                  | Camp 12                                  | 3"            | 6"       | 1800                 | \$88,200                          | 2             | \$8,000                              | 4               | \$4,800     | 11              | \$18,700    | \$23,500  | \$119,700                          | 0               | 0               | \$0              | \$119,700             |                                      |                         |              |                         |              |                                   |
| 3                         | Camp 12  | Booster Pump Station                     | Palomino Pressure Reducing Valve Station | 4"            | 8"       | 2,300                | \$135,700                         | 3             | \$12,000                             | 4               | \$4,800     | 10              | \$17,000    | \$21,800  | \$169,500                          | 14,000          | 0               | \$45,600         | \$215,100             | II                                   | \$371,800               | 2011         | 9%                      | \$405,300    |                                   |
| 4                         | Palomino Stirrup   | Palomino Pressure Reducing Valve Station | Quarter                                  | 4"            | 6"       | 1,800                | \$88,200                          | 1             | \$4,000                              | 4               | \$4,800     | 14              | \$23,800    | \$28,600  | \$120,800                          | 11,000          | 0               | \$35,900         | \$156,700             |                                      |                         |              |                         |              |                                   |
| 5                         | Stirrup Saddle   | Quarter                                  | Corral                                   | 4"            | 6"       | 2,800                | \$137,200                         | 3             | \$12,000                             | 6               | \$7,200     | 22              | \$37,400    | \$44,600  | \$193,800                          | 11,000          | 14,400          | \$82,800         | \$276,600             | III                                  | \$276,600               | 2012         | 13%                     | \$312,600    |                                   |
| 6                         | Shetland Corral  | Stirrup                                  | Saddle                                   | 3"            | 6"       | 1,700                | \$83,300                          | 2             | \$8,000                              | 4               | \$4,800     | 14              | \$23,800    | \$28,600  | \$119,900                          | 0               | 30,600          | \$99,800         | \$219,700             | IV                                   | \$269,900               | 2013         | 16%                     | \$313,100    |                                   |
| 7                         | Camp 12  | Palomino                                 | Riata                                    | 4"            | 8"       | 300                  | \$17,700                          | 1             | \$4,000                              | 3               | \$3,600     | 7               | \$11,900    | \$15,500  | \$37,200                           | 4,000           | 0               | \$13,000         | \$50,200              |                                      |                         |              |                         |              |                                   |
|                           |  |  |  | 4"            | 6"       | 300                  | \$14,700                          |               |                                      |                 |             |                 |             |           |                                    |                 |                 |                  |                       |                                      |                         |              |                         |              |                                   |
| 8                         | Saddle   | Stirrup                                  | Wellfield B                              | 4"            | 6"       | 1,100                | \$53,900                          | 2             | \$8,000                              | 4               | \$4,800     | 14              | \$23,800    | \$28,600  | \$90,500                           | 7,000           | 0               | \$22,800         | \$113,300             | V                                    | \$327,100               | 2014         | 19%                     | \$389,200    |                                   |
| 9                         | Morgan Cayuse Saddle   | Stirrup                                  | Wellfield B                              | 4"            | 6"       | 2,300                | \$112,700                         | 4             | \$16,000                             | 6               | \$7,200     | 19              | \$32,300    | \$39,500  | \$168,200                          | 14,000          | 0               | \$45,600         | \$213,800             |                                      |                         |              |                         |              |                                   |
| 10                        | Colt   | Camp 12                                  | Stirrup                                  | 4"            | 6"       | 1,500                | \$73,500                          | 1             | \$4,000                              | 4               | \$4,800     | 16              | \$27,200    | \$32,000  | \$109,500                          | 0               | 8,000           | \$26,100         | \$135,600             |                                      |                         |              |                         |              |                                   |
| 11                        | Spur   | Camp 12                                  | ---                                      | 4"            | 6"       | 1,300                | \$63,700                          | 3             | \$12,000                             | 3               | \$3,600     | 13              | \$22,100    | \$25,700  | \$101,400                          | 0               | 23,000          | \$75,000         | \$176,400             | VI                                   | \$368,800               | 2015         | 23%                     | \$453,600    |                                   |
| 12                        | Arabian  | Stirrup                                  | ---                                      | 2"            | 6"       | 400                  | \$19,600                          | 1             | \$4,000                              | 3               | \$3,600     | 4               | \$6,800     | \$10,400  | \$34,000                           | 0               | 7,000           | \$22,800         | \$56,800              |                                      |                         |              |                         |              |                                   |
| 13                        | Appaloosa  | Camp 12                                  | ---                                      | 4"            | 6"       | 1,300                | \$63,700                          | 3             | \$12,000                             | 3               | \$3,600     | 19              | \$32,300    | \$35,900  | \$111,600                          | 0               | 23,000          | \$75,000         | \$186,600             |                                      |                         |              |                         |              |                                   |
| 14                        | Welch  | Colt                                     | ---                                      | 2"            | 6"       | 200                  | \$9,800                           | 1             | \$4,000                              | 1               | \$1,200     | 3               | \$5,100     | \$6,300   | \$20,100                           | 0               | 4,000           | \$13,000         | \$33,100              | VII                                  | \$346,300               | 2016         | 27%                     | \$439,800    |                                   |
| 15                        | No Road  | Camp 12                                  | Riata                                    | 3"            | 6"       | 2,000                | \$98,000                          | 2             | \$8,000                              | 3               | \$3,600     | 10              | \$17,000    | \$20,600  | \$126,600                          | 0               | 0               | \$0              | \$126,600             |                                      |                         |              |                         |              |                                   |
| 16                        | Pinto  | Stirrup                                  | ---                                      | 3"            | 6"       | 600                  | \$29,400                          | 1             | \$4,000                              | 3               | \$3,600     | 7               | \$11,900    | \$15,500  | \$48,900                           | 0               | 11,000          | \$35,900         | \$84,800              |                                      |                         |              |                         |              |                                   |
| 17                        | Corral   | Shetland                                 | ---                                      | 3"            | 6"       | 400                  | \$19,600                          | 1             | \$4,000                              | 3               | \$3,600     | 6               | \$10,200    | \$13,800  | \$37,400                           | 0               | 7,000           | \$22,800         | \$60,200              | VIII                                 | \$315,500               | 2017         | 30%                     | \$410,200    |                                   |
| 18                        | Bronco   | Camp 12                                  | ---                                      | 2"            | 6"       | 300                  | \$14,700                          | 1             | \$4,000                              | 2               | \$2,400     | 3               | \$5,100     | \$7,500   | \$26,200                           | 0               | 5,000           | \$16,300         | \$42,500              |                                      |                         |              |                         |              |                                   |
| 19                        | Stetson  | Quarter                                  | ---                                      | 4"            | 6"       | 1,400                | \$68,600                          | 2             | \$8,000                              | 4               | \$4,800     | 14              | \$23,800    | \$28,600  | \$105,200                          | 7,000           | 0               | \$22,800         | \$128,000             |                                      |                         |              |                         |              |                                   |
| 20                        | Bridle E.  | Camp 12                                  | ---                                      | 4"            | 6"       | 500                  | \$24,500                          | 1             | \$4,000                              | 2               | \$2,400     | 6               | \$10,200    | \$12,600  | \$41,100                           | 0               | 9,000           | \$29,300         | \$70,400              |                                      |                         |              |                         |              |                                   |
| 21                        | Bridle W.  | Camp 12                                  | ---                                      | 4"            | 6"       | 300                  | \$14,700                          | 1             | \$4,000                              | 2               | \$2,400     | 5               | \$8,500     | \$10,900  | \$29,600                           | 0               | 5,000           | \$16,300         | \$45,900              | IX                                   | \$280,200               | 2018         | 34%                     | \$375,500    |                                   |
| 22                        | Saddle   | Corral                                   | ---                                      | 4"            | 8"       | 800                  | \$47,200                          | 2             | \$8,000                              | 3               | \$3,600     | 9               | \$15,300    | \$18,900  | \$74,100                           | 0               | 14,000          | \$45,600         | \$119,700             |                                      |                         |              |                         |              |                                   |
| 23                        | Stirrup  | Palomino                                 | ---                                      | 4"            | 6"       | 300                  | \$14,700                          | 1             | \$4,000                              | 2               | \$2,400     | 4               | \$6,800     | \$9,200   | \$27,900                           | 0               | 5,000           | \$16,300         | \$44,200              |                                      |                         |              |                         |              |                                   |
| 24                        | Morgan   | Cayuse                                   | Stirrup                                  | 4"            | 6"       | 1,400                | \$68,600                          | 2             | \$8,000                              | 6               | \$7,200     | 13              | \$22,100    | \$29,300  | \$105,900                          | 0               | 8,000           | \$26,100         | \$132,000             |                                      |                         |              |                         |              |                                   |
| 25                        | Lariat   | Quarter                                  | ---                                      | 6"            | --       | (1,100) <sup>8</sup> | \$0                               | 4             | \$9,200 <sup>2</sup>                 | 0               | \$0         | 0               | \$0         | \$0       | \$9,200                            | 0               | 20,000          | \$65,200         | \$74,400              | X                                    | \$252,000               | 2019         | 38%                     | \$347,800    |                                   |
| 26                        | Thoroughbred   | Camp 12                                  | ---                                      | 6"            | --       | (800) <sup>8</sup>   | \$0                               | 0             | \$0                                  | 0               | \$0         | 0               | \$0         | \$0       | \$0                                | 0               | 14,000          | \$45,600         | \$45,600              |                                      |                         |              |                         |              |                                   |
| --                        | All places -- remove jumpers and install meters <sup>7</sup> |  |  | --            | --       | --                   | --                                | --            | --                                   | 585 meters      |             |                 | \$58,500    | \$58,500  | --                                 | --              | --              | \$58,500         | \$58,500              | --                                   | \$58,500                | 2019         | 38%                     | \$80,700     |                                   |
| Totals                    |  |  |  | 8"            | 6"       | 5,400<br>23,700      | \$1,479,900                       | 46            | \$177,200                            | 83              | \$99,600    | 251             | \$426,700   | \$584,800 | \$2,227,200                        | 80,000          | 208,000         | \$938,700        | \$3,165,900           |                                      | \$3,165,900             |              |                         |              | \$3,845,000                       |
| Proportions of Total Cost |  |  |  |               |          |                      | 47%                               |               | 5%                                   |                 |             |                 | 18%         | 70%       |                                    |                 | 30%             | 100%             |                       | 100%                                 |                         |              |                         | 121%         |                                   |

See Attached Notes