

**Appendix D**

**Well and Water Main Cost (reconstructed from installation in 1999 to 2000):**

<b><u>Item</u></b>	<b><u>Cost</u></b>
Well Drilling System, 760 ft. deep, 6" diameter with 700ft casing, 15 HP 480 VAC at approx. 60 GPM delivery, with 5 119 Accumulator tanks storage, operating between 45 and 65 PSI	\$93,000
Well house with concrete floor, lighting, and electrical control panels for system	\$6,800
3500 feet 4" PVC Bell Hub pipe, 300 ft 1 1/2" PVC pipe, 30 ea. 1 1/2 saddle adapters, etc.	\$8,600
Open 2 ft. wide x 3 ft deep ditch with back hoe, including Rock Hammer equip., remove trees, full length for water lines with room for vaults and air release valves, and pressure reducing valve, clean out for bedding materials (approximately 70 hours of time for machines and operators)	\$17,500
Labor to install pipe connections including vaults, valuing, risers, bleed valves, pressure reducing valves, bedding material before and after pipe laid; two men, truck, trailer, bobcat or tractor (approximately 90 hours of time)	\$20,700
<b>TOTAL:</b>	<b>\$146,600</b>

**Upgrades in 2015<sup>1</sup> to include well storage tank, valve manifold, dual pumps and accumulator**

<b><u>Item</u></b>	<b><u>Cost</u></b>
Upgrade water system with 12 ft. x 36 ft. water storage tank delivered and set in place	\$29,408.75
Dual Pump/Motors, with piped valve manifold surface mounted in well house 60 GMP	\$9,946.61
<b>TOTAL</b>	<b>\$39,355.36</b>
<b>GRAND TOTAL</b>	<b>\$185,955.36</b>

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<sup>1</sup> Upgrade verbally approved by the homeowners at the 2014 HOA meeting, but never paid for by homeowners