

**LAPLATA ARCHULETA WATER DISTRICT COST ESTIMATE**  
**Preliminary Quantities to Construct Facilities for a Portion of Service Area**  
**(Assumes pipelines to serve about 10% of service area)**

Construction Item	Units	Quantity	Pipe Purch (\$/ft)	Pipe Install (\$/ft)	Total Cost per Unit	Total Cost
8" Diam. CL150 PVC	linear feet	51,930	\$9.00	\$10.00	\$19.00	\$987,000
8" Diam. CL200 PVC	linear feet	51,930	\$11.00	\$10.00	\$21.00	\$1,091,000
10" Diam. CL150 PVC	linear feet	35,500	\$14.00	\$13.00	\$27.00	\$959,000
10" Diam. CL200 PVC	linear feet	17,000	\$17.50	\$13.00	\$30.50	\$519,000
12" Diam. CL150 PVC	linear feet	39,000	\$21.00	\$17.00	\$38.00	\$1,482,000
12" Diam. CL200 PVC	linear feet	0	\$14.00	\$17.00	\$31.00	\$0
14" Diam. CL150 PVC	linear feet	0		\$20.00	\$20.00	\$0
100,000 Gal. Storage Tank	each	0			\$125,000	\$0
1,000,000 Gal Storage Tank	each	1			\$400,000	\$400,000
Fire Hydrants	each	37			3000	\$111,000
Pressure Reducing Valve	each	2			\$10,000	\$20,000
Valves, Bends, etc.	%	15%				\$835,000
Pumping Station	each	1			\$150,000	\$150,000
Service Connections	Taps	0			\$500	\$0
River Diversion	5 cfs	1			\$1,000,000	\$1,000,000
Treatment Plant Capacity	mgd	1			\$3,000,000	\$3,000,000
Contingencies	%	15%				\$1,583,000
Upfront Costs to Set up District, Hire Staff, Obtain Offices, Equipment, and Other Costs						\$1,000,000
Engin., Admin., Environ.	%	15%				\$1,821,000
ROW for Tank and TP	acre	3			\$30,000	\$90,000
<b>Total Construction Cost for Initial Portion of Water System</b>						<b>\$15,048,000</b>

**Preliminary Quantities to Construct Remaining Facilities for Entire Service Area**  
**(Assumes pipelines along every county, state and federal road)**

Construction Item	Units	Quantity	Pipe Purch (\$/ft)	Pipe Install (\$/ft)	Total Cost per Unit	Total Cost
8" Diam. CL150 PVC	linear feet	879,120	\$9.00	\$10.00	\$19.00	\$16,704,000
8" Diam. CL200 PVC	linear feet	879,120	\$11.00	\$10.00	\$21.00	\$18,462,000
10" Diam. CL150 PVC	linear feet	0	\$14.00	\$13.00	\$27.00	\$0
10" Diam. CL200 PVC	linear feet	0	\$17.50	\$13.00	\$30.50	\$0
12" Diam. CL150 PVC	linear feet	0	\$21.00	\$17.00	\$38.00	\$0
12" Diam. CL200 PVC	linear feet	0	\$14.00	\$17.00	\$31.00	\$0
14" Diam. CL150 PVC	linear feet	0		\$20.00	\$20.00	\$0
100,000 Gal. Storage Tank	each	6			\$125,000	\$750,000
1,000,000 Gal Storage Tank	each	1			\$400,000	\$400,000
Fire Hydrants	each	333			\$3,000	\$999,000
Pressure Reducing Valve	each	8			\$10,000	\$80,000
Valves, Bends, etc.	%	15%				\$5,609,000
Pumping Station	each	4			\$150,000	\$600,000
Treatment Plant Capacity	mgd	3			\$3,000,000	\$9,000,000
Contingencies	%	15%				\$7,891,000
Engin., Admin., Environ.	%	15%				\$9,074,000
ROW for Tanks and TP	acre	5			\$30,000	\$150,000
<b>Cost for Remaining, 90%, Portion of Water System</b>						<b>\$69,719,000</b>
<b>Cost for Beginning, 10%, Portion of Water System</b>						<b>\$15,048,000</b>
<b>Total Cost for Entire Water System</b>						<b>\$84,767,000</b>