PROJECT 1 - 500,000 GALLON ELEVATED STORAGE TANK (OPTION 1)				
ITEM	UNIT	QUANTITY	UNIT COST	TOTAL COST
500,000 Gallon Single Pedestal Elevated Storage Tank	LS	1	$ 2,500,000	$ 2,500,000
Sitework	LS	1	$ 150,000	$ 150,000
Sub-Total				$ 2,650,000
Contingencies (20%)				$ 530,000
Engineering (6%)				$ 159,000
Inspection (3%)				$ 79,500
TOTAL				**$ 3,418,500**

PROJECT 1 - 500,000 GALLON GROUND STORAGE TANK & BOOSTER PUMPS (OPTION 2)				
ITEM	UNIT	QUANTITY	UNIT COST	TOTAL COST
Booster Equipment	LS	1	$ 750,000	$ 750,000
500,000 Gallon Storage Tank	LS	1	$ 1,125,000	$ 1,125,000
100kW Gas Generator	LS	1	$ 125,000	$ 125,000
Sitework	LS	1	$ 200,000	$ 200,000
Sub-Total				$ 2,200,000
Contingencies (20%)				$ 440,000
Engineering (10%)				$ 220,000
Inspection (5%)				$ 110,000
TOTAL				**$ 2,970,000**

PROJECT 2 - 8-INCH WATER MAIN FROM NEW TANK TO EXISTING SYSTEM				
ITEM	UNIT	QUANTITY	UNIT COST	TOTAL COST
8"Ø C900 DR18 PVC Water Main (Including Hydrants, Valves, & Fittings)	LF	2,500	$ 170	$ 425,000
Sub-Total				$ 425,000
Contingencies (20%)				$ 85,000
Engineering (10%)				$ 42,500
Inspection (5%)				$ 21,250
TOTAL				**$ 573,750**

PROJECT 3 - NEW 400 GPM WELL				
ITEM	UNIT	QUANTITY	UNIT COST	TOTAL COST
New 400 GPM Well	LS	1	$ 1,500,000	$ 1,500,000
Sub-Total			.	$ 1,500,000
Contingencies (20%)				$ 300,000
Engineering (10%)				$ 150,000
Inspection (5%)				$ 75,000
TOTAL				**$ 2,025,000**

PROJECT 4 - EXISTING FACILITIES REMOVAL				
ITEM	UNIT	QUANTITY	UNIT COST	TOTAL COST
Decommission Existing Ground Storage Reservoir	LS	2	$ 40,000	$ 80,000
Decommission Existing Standpipe	LS	2	$ 35,000	$ 70,000
Decommission Existing Transfer Pump Stations	LS	1	$ 25,000	$ 25,000
Decommission Existing Northwoods Booster Station	LS	1	$ 5,000	$ 5,000
Sub-Total				$ 180,000
Contingencies (20%)				$ 36,000
TOTAL				**$ 216,000**

PROJECT 5 - 8-INCH WATER MAIN JAMES RIVER RD				
ITEM	UNIT	QUANTITY	UNIT COST	TOTAL COST
8"Ø C900 DR18 PVC Water Main (Including Hydrants, Valves, & Fittings)	LF	6,700	$ 170	$ 1,139,000
Sub-Total				$ 1,139,000
Contingencies (20%)				$ 227,800
Engineering (10%)				$ 113,900
Inspection (5%)				$ 56,950
TOTAL				**$ 1,537,650**

PROJECT 6 - 8-INCH WATER MAIN SKYLINE DR				
ITEM	UNIT	QUANTITY	UNIT COST	TOTAL COST
8"Ø C900 DR18 PVC Water Main (Including Hydrants, Valves, & Fittings)	LF	4,400	$ 170	$ 748,000
Sub-Total				$ 748,000
Contingencies (20%)				$ 149,600
Engineering (10%)				$ 74,800
Inspection (5%)				$ 37,400
TOTAL				**$ 1,009,800**

PROJECT 7 - 8-INCH WATER MAIN TRAIL RIDGE DR				
ITEM	UNIT	QUANTITY	UNIT COST	TOTAL COST
8"Ø C900 DR18 PVC Water Main (Including Hydrants, Valves, & Fittings)	LF	2,800	$ 170	$ 476,000
Sub-Total				$ 476,000
Contingencies (20%)				$ 95,200
Engineering (10%)				$ 47,600
Inspection (5%)				$ 23,800
TOTAL				**$ 642,600**

PROJECT 8 - UPSIZE WELL NO. 2				
ITEM	UNIT	QUANTITY	UNIT COST	TOTAL COST
Upsized 400 GPM Pump	LS	1	$ 125,000	$ 125,000
Upsized Control Panel	LS	1	$ 75,000	$ 75,000
Sub-Total			.	$ 200,000
Contingencies (20%)				$ 40,000
Engineering (10%)				$ 20,000
Inspection (5%)				$ 10,000
TOTAL				**$ 270,000**

PROJECT 9 - SMALL DIAMETER WATER MAIN UPSIZING (5,000 LINEAL FEET EVERY +/-2 YEARS)				
ITEM	UNIT	QUANTITY	UNIT COST	TOTAL COST
6"Ø C900 DR18 PVC Water Main (Including Hydrants, Valves, & Fittings)	LF	5,000	$ 150	$ 750,000
Sub-Total				$ 750,000
Contingencies (20%)				$ 150,000
Engineering (10%)				$ 75,000
Inspection (5%)				$ 37,500
TOTAL				**$ 1,012,500**

*117,000 lineal feet of existing 2", 4", and 6" mains. To replace all mains in 50 years, approximately 2,300 lineal feet will need to be replaced per year

Small diameter main replacement will also help with the water loss issues. Identify the areas with the worst water loss in order to replace those mains first.