

ENGINEER'S ESTIMATE OF PROBABLE CONSTRUCTION COSTS

**VISTA DEL MAR SCHOOL
WASTEWATER TREATMENT IMPROVEMENTS
PRELIMINARY**

9/4/2020

Description	Quantity		Total	Total
	No	Unit	Unit Cost	Cost
GENERAL REQUIREMENTS				
Mobilization/demobilization	1	LS	\$ 5,000.00	\$ 5,000
Construction locating	1	LS	\$ 1,500.00	\$ 1,500
Total GENERAL REQUIREMENTS				\$ 6,500
DEMOLITION / REMOVAL				
Removal and disposal of residual liquid and solid waste from existing treatment plant and pressure wash/sanitize	5,000	GAL	\$ 1.00	\$ 5,000
Removal and disposal of residual liquid and solid waste from existing lift station and pressure wash	500	GAL	\$ 1.00	\$ 500
Removal and disposal of residual liquid and solid waste from existing overflow vault	500	GAL	\$ 1.00	\$ 500
Decommission WWTP (drill holes along bottom)	1	LS	\$ 1,000.00	\$ 1,000
Decommission existing lift station; crack bottom, fill with sand	1	LS	\$ 1,500.00	\$ 1,500
Decommission existing pump control panel	1	LS	\$ 1,000.00	\$ 1,000
Decommission existing overflow vault; crack bottom, fill with sand	1	LS	\$ 1,500.00	\$ 1,500
Sawcutting existing asphalt pavement, concrete curb and gutter	30	LF	\$ 20	\$ 600
Disposal of existing asphalt pavement	1	CY	\$ 200	\$ 200
Total DEMOLITION/REMOVAL				\$ 11,800
CIVIL/SITE WORK				
Septic tank installation labor and upfit	1	LS	\$ 5,000.00	\$ 5,000
Excavation for septic tank	250	CY	\$ 50.00	\$ 12,500
Compacted fill around septic tank	150	CY	\$ 15.00	\$ 2,250
Seepage pit well drilling	10	EA	\$ 3,000	\$ 30,000
Seepage pit gravel fill	420	CY	\$ 50	\$ 21,000
Seepage pit perforated pipe	400	LF	\$ 5	\$ 2,000
Seepage pit access assembly (monitroing port)	10	EA	\$ 30	\$ 300
Seepage pit compacted fill	52	CY	\$ 15	\$ 780
Offsite haul and disposal of excess cut from seepage wells	471	CY	\$ 20.00	\$ 9,420
Replacement of curb and gutter	15	LF	\$ 62.00	\$ 930
Replacement of asphalt pavement	90	SF	\$ 5.00	\$ 450
Total CIVIL / SITE WORK				\$ 84,630
EQUIPMENT - SEPTIC TANK, PIPING, FITTINGS, & VALVES				
10,000 gallon septic tank and risers (includes delivery/tax/tank placement off truck)	1	EA	\$ 15,000	\$ 15,000
Distribution Boxes	2	EA	\$ 250	\$ 500
Gravity effluent pipeline 3" SDR 35 (material and installation)	500	LF	\$ 12	\$ 6,000
Total EQUIPMENT				\$ 21,500
TOTAL DIRECT COSTS				
Construction Contingency	15.00%			\$ 19,000
Subtotal				\$ 143,430
TOTAL ESTIMATED CONSTRUCTION COST				
Design and Engineering				\$ 40,000
Subtotal				\$ 183,430
Construction Management, Testing, Inspection & Engineering Services During Construction				\$ 5,000
TOTAL ESTIMATE OF PROBABLE PROJECT COST				
				\$ 188,430