

# 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
<b>GENERAL REQUIREMENTS</b>				
Mobilization/demobilization	1	LS	\$ 5,000.00	\$ 5,000
Construction locating	1	LS	\$ 1,500.00	\$ 1,500
<b>Total GENERAL REQUIREMENTS</b>				<b>\$ 6,500</b>
<b>DEMOLITION / REMOVAL</b>				
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
<b>Total DEMOLITION/REMOVAL</b>				<b>\$ 11,800</b>
<b>CIVIL/SITE WORK</b>				
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
<b>Total CIVIL / SITE WORK</b>				<b>\$ 84,630</b>
<b>EQUIPMENT - SEPTIC TANK, PIPING, FITTINGS, &amp; VALVES</b>				
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
<b>Total EQUIPMENT</b>				<b>\$ 21,500</b>
<b>TOTAL DIRECT COSTS</b>				<b>\$ 124,430</b>
Construction Contingency	15.00%			\$ 19,000
Subtotal				\$ 143,430
<b>TOTAL ESTIMATED CONSTRUCTION COST</b>				<b>\$ 143,430</b>
Design and Engineering				\$ 40,000
Subtotal				\$ 183,430
Construction Management, Testing, Inspection & Engineering Services During Construction				\$ 5,000
<b>TOTAL ESTIMATE OF PROBABLE PROJECT COST</b>				<b>\$ 188,430</b>