

Item	Description	units	quantity	Unit Price	Total
Schedule A	Water Plant Building and Power Supply Upgrades		Schedule A1 through A8 Subtotal =		
A1.0	General Conditions			A1 Subtotal =	
A1.1	Superintendent	ea	1		
A1.2	Housing and travel	ls	1		
A1.3	Material Procurement*	ls	Included in the itemized costs		
A1.4	Equipment mobilization*	ls	1		
A1.5	Engineering and Quality Control*	ea	1		
A1.6	Safety planning and equipment*	ea	1		

*present an itemized list.

A2.0	Building Demolition			A2 Subtotal =	
A2.1	remove building siding and trim, and associated equipment	sf	1396		
A2.2	remove roofing and roof structure	sf	1938		
A2.3	remove columns and footing bases along outside northwest wall	ea	7		
A2.4	remove and temporarily house the generator.	ls	1		
A2.5	demolish the generator walls and mechanical equipment	lf	29		
A2.6	remove sections of existing northwest wall for wall columns and doors.	ea	4		

Schedule of Values

Item	Description	units	quantity	Unit Price	Total
A2.7	dispose of demolition waste.	tons	13		
A3.0	Building Addition Foundation			A3 Subtotal =	
A3.1	overexcavate building addition footprint area	cy	27		
A3.2	Install drain piping around northwest and northeast ends of building, and under slab area. Bed pipe with NFS material per the specifications.	lf	106		
A3.3	Install raw water pump feeder, area light, and the KRBD Radio Repeater (notes 6, 8, and 10 on sheet E02.)	lf	140		
A3.4	Lay and compact subgrade, 3/4-inch minus material, 1-foot depth	sf	740		
A3.5	form and place reinforcement steel in slab and thickened slab foundation. (12 in x 12 in, 36 in x 36 in, 24 in x 24 in)	sf	576		
A3.6	Pour and finish slab and foundation	cy	28.4		
A3.7	Inspection by Engineer (by others)				
A4.0	Building Addition Walls and Roof			A4 Subtotal =	
A4.1	Erect roof columns in the existing northwest wall	ea	2		
A4.2	exterior wall: frame, insulate, and apply vapor and air retarder (quantity is frame sf)	sf	700		
A4.3	interior wall: frame, insulate, and apply vapor and air retarder (quantity is the frame quantity for partition and center wall).	sf	610		
A4.4	Erect portal frame (anchor and frame W6x16)	lbs	614		
A4.5	frame the new roof (include glulam beam)	sf	2058		
A4.6	finish the interior walls	sf	2620		

Schedule of Values

Item	Description	units	quantity	Unit Price	Total
A4.7	finish the new roof	sf	2058		
A4.8	finish exterior walls	sf	700		
A4.9	Install the overhead door to the new building addition and finish	ea	1		
A4.10	Install interior doors and hardware	ea	3		
A4.11	Install exterior doors and hardware	ea	1		
A4.12	Inspection by Engineer (by others)				
A5.0	Mechanical, Building			A5 Subtotal =	
A5.1	Install chemical room ventilation, fans and venting	ea	2		
A5.2	Install building addition Toyo Stove and fuel lines	ea	2		
A5.3	Install generator, and generator battery charger	ea	1		
A5.4	Install gravity louver, air control dampers (and associated actuators).	ls	1		
A5.5	Install fuel supply and storage. (reuse existing tank)	ls	1		
A5.6	Inspect and test the generator, fan, and heater installation and function by others				
A6.0	Electrical Service Replacement			A6 Subtotal =	
A6.1	Demolish existing electrical service	ls	1		
A6.2	Develop plan to maintain service during electrical change over and execute it.	ls	1		
A6.3	Install service drop, disconnect and meter base	ls	1		

Schedule of Values

Item	Description	units	quantity	Unit Price	Total
A6.4	Relocate MDP, and install Panel A and the transformer (item 5 on the sheet E08 equipment schedule).	ls	1		
A6.5	Mount the WTCP (equipment provided by others). Wire to Panel A. Wire to ethernet. (E13)	ls	1		
A6.6	Wire equipment including starter/disconnect to MDP and WTCP (sheet E10): Air Pump (B-200), Backwash Pump (P-410)	ls	1		
A6.7	Connect new lake service line to the relocated MDP.	ls	1		
A6.8	Wire equipment (and any associated starter/disconnects) to Panel A and WTCP: Re-circ pump (P-410), domestic water pump (DWP-1), Exhaust fans (EF-1, EF-2, and EF-3), and unit heaters.	ls	1		
A6.9	Wire chemical feed pumps and chemical feed outlets to Panel A and WTCP (Sheet E11): Polymer pump (CF-100), Chlorine feed pump (CF-500), Soda Ash Pump (CF-501)	ls	1		
A6.10	Wire lights and fixtures per sheet E05. Wire receptacles per sheet E04.	ls	1		
A6.11	Wire existing instruments to Panel A and WTCP: turbidimeters, flow meters.	ls	1		
A6.12	Inspect and test equipment and instrument operational function by engineer (by others)				
A7.0	Automate the filters			A7 Subtotal =	
A7.1	Confirm the existing Bray valve viability				
A7.2	Install air blower and plumb the air piping for air scour	ls	1		
A7.3	Mount and wire the air and water valve motors and test the motor function -- closing, closed, opening, and opened.	ls	1		
A7.4	Inspection and testing of wiring.	ls	1		

Schedule of Values

Item	Description	units	quantity	Unit Price	Total
A7.5	Start up by others (WTCP integrator). Contractor, including electrical and mechanical to be on site for inspection and assist with start up.				
A7.6	Training by others				
A8.0	Nanofiltration Equipment			A8 Subtotal =	
A8.1	Plumb the NF unit, supply, return, and waste piping.	ls	1		
A8.2	Install and plumb the nanofiltration unit and equipment (owner provided, manufactured by Pure Aqua).	ls	1		
A8.3	Wire the nanofiltration control panel. Provide all field wiring connections (power and control) to the nanofiltration control panel and equipment.	ls	1		
A8.4	Inspect and test plumbing and electrical associated with nanofiltration equipment and instruments.	ls	1		
A8.5	Start up the nanofiltration unit. Requires Pure Aqua start up representative, Engineer, and the System Integrator (owner furnished)	ls	1		
A8.6	Inspect and test equipment and instrument operational function by engineer and Pure Aqua (by others)				
A8.7	Training by others				
A9.0	Self Back-washing Screen			A9 Subtotal =	
A9.1	Install Self Back-washing equipment* (BS-1). Requires equipment submittal.	ls	1		
A9.2	Wire the Self Back-washing Screen (BS-1) to Panel A and WTCP.	ls	1		
A9.3	Inspection by Engineer (by others)				

* includes contractor procured equipment.

Schedule of Values

Item	Description	units	quantity	Unit Price	Total
Schedule B	Wastewater Plant UV Disinfection Project		Schedule B1 and B2 Subtotal =		
B1.0	UV Disinfection Project General Conditions			B1 Subtotal =	
B1.1	Superintendent	ea	1		
B1.2	Housing and travel	ls	1		
B1.3	Material Procurement*	ls	Included in the itemized costs		
B1.4	Equipment mobilization*	ls	1		
B1.5	Engineering and Quality Control*	ea	1		
B1.6	Safety planning and equipment*	ea	1		
B2.0	UV Disinfection			B2 Subtotal =	
B2.1	Complete demolition of chlorine contact basin elements per the plans - - Remove the broad crested weir, portion of hand rail, telescoping valve.	ls	1		
B2.1	Construct tee and valving from the extended aeration line that enters the contact basin. Run the pipe to the new UV bank channel through the existing wall and new bulkhead.	ls	1		
B2.2	Complete steel work including W10x22 I beam, framing for the steel grating, etc.	ls	1		
B2.3	Raise the UV Channel floor with clean gravel and a new reinforced concrete floor. Construct new reinforced concrete UV channel walls. Construct new reinforced concrete bulkhead with penetration for the new extended aeration supply piping.	ls	1		
B2.4	Construct the pad for hoist and UV related equipment. Install the hoist.	ls	1		

Schedule of Values

Item	Description	units	quantity	Unit Price	Total
B2.5	Install remaining steel works -- pipe support, grated platform, stairs, stair rails.	ls	1		
B2.6	Install the extended aeration liquid supply piping, support frame work, and associated type I and II wall penetrations.	ls	1		
B2.7	Install the owner furnished Glasco UV Equipment -- Includes 2 each UV units, level control weir, and air compressor.	ls	1		
B2.8	Install new circuits and breakers in the Panel LM. Install Buck-boost transformer. Install Sensaphone.	ls	1		
B2.9	Install buried power and control wire to the UV Control Panel. Wire the Flow Meter, Float Switch, and UV Units.	ls	1		
B2.10	Inspect the installation. Startup the UV system with the Engineer and Glasco representative.				
B2.11					
Additive Alternate					
B3.0	Wastewater Plant -- Back Up Power Generator		Additive Alternate B3 Subtotal =		
B3.1	Construct Generator Pad. Place the new generator.	ls	1		
B3.2	Install emergency power and control circuits and normal power circuits to the Automatic transfer switch	ls	1		
B3.3	Install Automomatic Transfer Switch	ls	1		
B3.4	Relocate outside lighting panel to accommodate the ATS.	ls	1		
B3.5	Route Feeder from ATS to HDMP	ls	1		
B3.6	Inspect and test by others including Engineer				

Schedule of Values

Item	Description	units	quantity	Unit Price	Total
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Schedule A1 through A9 Subtotal =	
Schedule B1 and B2 Subtotal =	
Additive Alternate B3 Subtotal =	

Note that cost score will be based on the Total value.

Total Schedule A and B and additive alternate(s) =