

Schedule "A" - Pumphouse Building

McKinnon Cr. Pumphouse

Project Location: 18460 47th PL NE, Lake Forest Park, WA 98155

Item	Description	Unit qty	Unit	Unit Price \$\$	Extended \$\$
1	*Excavate and backfill building site , and prepare for concrete pour with slope back and/or temporary slope retention as required for construction. Includes temporary and permanent stockpile.	450	cu-yd		
2	*Reinforced concrete foundation per plans including footing and slab on grade with 6" pre-sloped gutter drain in floor. Includes water resistant membrane on outside wall for moisture.	1	LS		
3	*Precast hollow core suspended slab 12" Ultraspan by Concrete Technology Corporation or approved equivalent with 2-1/2" topping concrete surface pour on-site. Engineer stamped structural plan for slab modules.	1	LS		
4	Concrete Masonry Unit (CMU) cinder block exterior wall 8" with split face and reinforcement as indicated on plans. Confirm architectural finish option with owner.	1	LS		
5	Pump Starters and Controls (PP1 & PP2) as required for 3-40hp transfer pumps with VFD and 3-25hp well pumps and 5hp sump pump. Includes cabinets. See electrical plans.	1	LS		
6	Pumphouse Electrical includes electrical mains, stepdown dry transformer, ducting, panels including lighting, heat, receptacles including transfer switch and standby power connections (local and remote see plans).	1	LS		
7	*Pump Gallery Mechanical including stainless sch 40 and HDPE DR17 pipe headers, valves and supports as shown in plans except as included in other items. Note: some items provided by owner including provision and startup of all pressure reducing/altitude valves and all 6" GrvGrv BFV. (Core drill wall and pass-thru pipe spools separate items.)	1	LS		
8	40hp Pentair/Aurora Mdl. #3804 Pump. Frame mounted end suction type c/w 3x4x13.5 volute, 460v/3ph/60cy includes grouted base pad & floor anchors. Note: Impeller trim max size.	3	ea		
9	Circular Stair - 12ft high/66" diameter c/w railing inside. Ref. Paragon 66" or approved equivalent. Upstair floor opening min. 72" x 72"	1	LS		
10	Building Ventilation Fan/Louvers - Ref. DWG# A5	1	LS		
11	Pumphouse internal framing and construction including partitions, ceiling, rafters, windows, internal/external doors, plywood sheathing, standing seam roof, skylights, insulation, alum drop down attic stair, per plans. Note: separate items for CMU exterior wall, electrical, plumbing and other items described	1	LS		
12	*Piping pass-through spools 72" nominal length, Stainless, Sch 40, FLxGrv as indicated in plans, 10" and 8" pipe includes core drilling and Link-Seal or approved equivalent packing to achieve watertight seal. See details sheet in plans.	4	ea		
13	*Piping pass-through spools 96" nominal length, Stainless Sch 40, FLxGrv as indicated in plans 6" pipe, includes core drilling and Link-Seal or approved equivalent packing to achieve watertight seal. See details sheet in plans.	5	ea		
14	*Locate and connect to existing buried pipe with HDPE spool. Length/size and DR rating to match. FLxFL may have reducer one end.	9	ea		

15	Pumphouse domestic plumbing - water pipes and drains for bathroom, shower, washer/dryer including 30gal H/W heater, and fixtures: sink, toilet, shower as indicated in plans and meeting plumbing codes.	480	Sq-ft		
16	Pumphouse stairs - outside , OSHA compliant, Fabricated galvanized metal with bar grating tread and railing both sides, 48" wide tread. Ref. FS Industries IIBC48140-G or approved equivalent. Includes concrete slab landings.	1	LS		
17	*Pumphouse retaining wall - Ecology Block construction per plans, details - ref. Geotech Report by Robinson Noble Saltbush	26	ea		
18	*2" Railroad Ballast, un-compacted - place on west side of pumphouse as indicated 10'x39'x12".	24	ton		
19	*Perimeter drain with 4" double pipe and filter socks three sides of building footing to daylight west slope (see site plan, details), includes pea gravel backfill.	115	lin-ft		
20	*Pre-cast Drain Sump OldCastle 5106-LA without knockouts. With manhole cover 5106-TL-42E. Place MH lid to final gravel grade. 6" drain connection to pump sump (see detail).	1	LS		
21	*Sump Pump and removable slide rails, controls with discharge piping outside pumphouse. Includes 48" diameter x 120" deep sump with access hatch and vent. 5hp/460v/3ph/60cy ITT Goulds #4SD52J4AAF pump (345GPM @ 32ft) + A10-40 Slide or approved equivalent. (see details)	1	LS		
22	Piping and Fittings inside pumphouse for sump pump including drain piping and valves/fittings for regulated discharge to sanitary side sewer pipe (see detail) and includes oversize core drill pass through wall with polyurethane sealant.	1	LS		
23	Main Control Panel (MCP) Cabinet and PLC with two pressure sensors, minimum logic coding for basic function of well pumps and transfer pumps as indicated on DWG# E-10. Note: further SCADA System integration will be accomplished by owner following completion of this contract.	1	LS		
24	Flow meter to Low Zone Tank - magmeter type 8" Ref. Seametrics "iMAG" Series or approved equivalent with remote readout 4-20ma flow, pulse totalizer, grounding rings.	1	ea		
25	*Imported granular fill material in case of over-excavation to un-disturbed earth, estimated quantity	50	yd		
26	*Building side sewer. Locate and connect to existing LFP City side-sewer with c/o location estimated as indicated on plans and includes oversize core drill pass through wall with polyurethane sealant for water tight.	1	LS		
27	Conduit pass-through core drilling and extension through concrete wall in various locations as indicated in plans with polyurethane sealant for watertight seal.	30	each		
28	3C (3-phase) electric main wires in conduit for 4-deep well pumps and shallow well, NUD pumps install in buried ducting placed by others from pumphouse to Vault#2, DW#3, DW#4 and connect to existing wiring. See electrical design plans.	1480	LF		
				Sub-total	
Sub-Total Items this Schedule (NOT incl. Local Sales & Use Tax)					

*** Items to be partially or fully completed by October 31**