

**Schedule 1**  
Submersible Pumps/Motors

20 Foot Column

Well Name	Woody Mountain, Well # 1	Woody Mountain, Well # 2	Woody Mountain, Well # 3	Woody Mountain, Well # 4	Woody Mountain, Well # 5	Woody Mountain, Well # 6	Woody Mountain, Well # 7	Woody Mountain, Well # 9	Woody Mountain, Well # 10	Woody Mountain, Well # 11	<p><b>1. Downhole camera with side view lens.</b></p> <p><b>*Must have capability for 2048' depth</b></p> <p>\$ Price per well</p> <p><b>Brush/Swab/Bail, any combination of these, with Cable tool rig.</b></p> <p>**Note: Woody Mtn, Foxglenn and Continental require a 48-L or 36-L for lifting and cable capacity</p> <p><b>2. well workover: Brush/Swab/Bail, any combination of these, note: woody mtn, Foxglenn and Continental require a 48-L or 36-L for lifting and</b></p> <p>a. Mob. / demob. b. Equipment price per 100 hrs. c. Total labor per 100 hrs.</p> <p>\$ Total cost for 100 hr. workover.</p>
<b>Date:</b>	2001	11/2002	2001	4/2004	6/2004	2003	4/2009	12/2012	1996	2004	
<b>Casing size and depth</b>	12"/1600'	12"/1600'	14"/1856'	14" liner/2048'	12"/1600'	18"/1700'	14" w/ 10" liner/ 1782'	12.75"/1840'	16"/1804'	12"/1950'	
<b>A. Motor</b>	ESP	CENTRILIFT	ESP	ESP	Byron-Jackson w/ dbl mech seal	Byron-Jackson, dbl mech seal	Centerlift KMHG	Centerlift KMHG	ESP	Centerlift	
Horsepower	150	150	300	200	125	250	304	300	150	185	
Estimated weight	2,525 lbs	2,525 lbs.	3000	2,500 lbs	1300	3,273 lbs	3000	3000	2500	2900	
Voltage	2,300	2,300	2300	2,300	2300	2,300	2300	2300	2270	2300	
<b>B. Pump</b>	ESP TJ 9000, 17 stage	CENTRILIFT	ESP, TM-520 (14 stage)	ESP TJ 12000, 18 stage	Byron-Jackson, (27 stage)	Byron-Jackson, (18 stage)	Centerlift HC20000 (18 stage)	Centerlift HC20000 (18 stage)	ESP, TJ 12000 (17 stage)	CENTRILIFT HC12500(18 STAGE)	
Estimated weight	850 lbs	850 lbs.	1500	1,000 lbs	4000	41,817 lbs	1500	1450	1000	1500	
<b>C. Column</b>	5 1/2", 8 RND	4.5 8RD	8 5/8", 8 rd	6 5/8", 8 RND	6"	6"	6 5/8", 8 rd	6 5/8", 8 rd 47 joints	6 5/8"	6 5/8", 8 RND	
Average length	30'	20'	20'	20' & 30'	20'	20 feet, (1) 30'	30'	30'	20', 73 joints + 5 1/2" sub	30'	
Total length	1517'	1414'	1410'	1407'	1376		1470'	1450'	1470'	1503'	
Estimated weight	30,400 lbs	30,400 lbs.	49000	45,000 lbs	32000	33,960 lbs	49000	49000	30000	30000	
<b>D. Airline/Size</b>	3/4 inch by 21 feet	1 in. x 21 feet	1"x21' galvanized	1' x 21' Galv. Steel	1"x21'	1" x 21' Galv. Steel, 1,383 ft.	1"x21' galv steel	1"x21' galv steel	1"x21' galvanized	2" Sounder tube in annulus	
<b>E. Cable/Wire</b>	#2-3C	#2-3c	#2-3c, 5KV w/ grnd, round	5 KV (brand rex) 1,550 feet	#2-3c	#2 - 3 est. wt. 2,410 lbs	#2-3c, round	#2-3c, round	#4 sol, round	#2-3c, 5KV w/ grnd, round	
<b>F. Check valve-Size/Type</b>	5" Slow Flow	4.5 SLOW FLOW	8" slow flow	6" Slow Flow, 7 joints above	(2) 6",	6" (3) flapper, located 100', 200'	(1) 6 5/8" od,	(1) 6"	6"	5 1/2" slow flow	
Location		20' above pump	2 joints above the pump		100', 600' above pump	1	1 joint above pump	1JOINT ABOVE PUMP	(unknown)	1 joints above the pump	

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<b>G. Special conditions / considerations</b>	Pitless adapter	Pitless adapter, 16" with 12" line	Shroud below the motor. It is five joints of perforated stainless steel. See	Shroud has 5 - 20 ft. joints below pump (more detail on		18 inch liner, 0-793 ft, 20 inch casing to 1700 ft.	Pitless adapter, model #4-ps-14-16-w-b-w-e-f-8.	Well is in a removable bldg. 12' x 12' Contractor is required to remove and	There is a motor shroud, 9 1/2" x 42.6"	Pitless adapter	
<b>COSTS:</b>											
<b>A. Pump Only</b>											
1. Mobilization											
2. Pull pump											
3. Install pump											
4. Demobilizati											
5. Special Conditions											
<b>B. Pump and Motor:</b>											
1. Mobilization											
2. Pull Pump/Motor											
3. Install Pump/Motor											
4. Demobilizati											
5. Special Conditions											
<b>Total Cost</b>											
<b>Bid Schedule</b>											

Well Name	Lake Mary, Well # 1	Lake Mary, Well # 2	Lake Mary, Well # 4	Lake Mary Well # 5	Lake Mary, Well # 7	Lake Mary Well # 8	Lake Mary Well # 9
<b>Date:</b>	2002	1999	2008	2/2002	10", 1573	2004	7/2009
<b>Min casing size</b>	13 3/8" liner w/	20"/1091	20"/1340'	20"/1336'		20"/1296'	18"/1400'
<b>A. Motor</b>	Hitachi	Byron-Jackson sn	Centrilift 7 5/8"	US Motors	REDA	US Motors	Centerlift
Horsepower	60	125	161	150	150	400	69
Estimated weight	200 lbs	3000	3500	700 lbs	200 lbs	4,000 lbs	2000
Voltage	480	2300, 30FLA	2300	480V	2300	440V VFD	480
<b>B. Pump</b>	Goulds, 8RAHC, 8 stage	B-J, 13LQ (15 stages) sn 99 RW 0049001	Centrilift installed Dec/2008 15 stage	SIMFLOW, SC10C, 14 STAGE	REDA JN 10000, 25 stage	Aurora, 8 STG Model 14RM	Centerlift model P75 18 stage
<b>C. Pump Shaft</b>	550 lbs	3000	2000		550 lbs		
Diameter	5 1/2", 8 RND	8 5/8", V-thread	8 rnd thread	1-15/16 inches	5-1/2 inch OD	1- 15/16 inches	
Average length	30'	20'	20'	20 feet	30'	20 feet	
Total length	917'	924'	900'	884'	1450	900'	1860 feet
Estimated weight	20,500 lbs	35000	28800	2,000 lbs		7,690 lbs	20,000lbs
<b>D. Oil tube, Diameter</b>	1" x 21' Galv. Steel	1"x21' galvanized	1"x21' PVC	3"	1" x 21' Galv. Steel	3"	
Average length	Flat, est. wt. 2,000 lbs	#4-3c	#2-3c	20 feet	#6	20 feet	
Estimated weight		8"	5 1/2" check	5,000 lbs	1 joint up	7,720 lbs	
<b>E. Pump column</b>	(1) in pump	directly above pump	1 st joint above pump				
Diameter	Pitless Adapter, motor shroud	Casing at surface is 20".		8 inches	No shroud, 4" flanged 90	12 inches	41/2" collum pipe; 8 rnd thread; 4 1/2" check 1 joint above
Average length				20 feet		20 feet	20 feet
<b>F. Discharge Head, Type/size</b>				Floway estimated wt.700 lbs		1,200 lbs	custom made
<b>G. Airline/size</b>				1 " x 21 ' Galv. Steel		1 " x 21 ' Galv. Steel	1 " x 21' PVC
<b>F. Special conditions / considerations</b>		Well is in pit with removable cover. I-beams may be required to set elevators or spiders. Casing at surface is 20".	Chain link fence around well site will need to be removed and replaced.	Well is in removable bldg. 10' x 10'. Contractor is required to remove and replace the bldg. Conestrainer		Well is in 12 ' x 12 ' removable bldg. Contractor is required to remove and replace the bldg. Conestrainer	Well is in removable bldg. 10' x 10'. Contractor is required to remove and replace the bldg. Conestrainer

Well Name	Lake Mary, Well # 1	Lake Mary, Well # 2	Lake Mary, Well # 4	Lake Mary Well # 5	Lake Mary, Well # 7	Lake Mary Well # 8	Lake Mary Well # 9
<b><u>COSTS:</u></b>							
<b><u>A. Motor only:</u></b>							
<b>1. Mobilization</b>							
<b>2. Pull Motor</b>							
<b>3. Install Motor</b>							
<b>4. Demobilization</b>							
<b>5. Special Conditions</b>							
<b>Total cost to TRIP Motor only:</b>							
<b><u>B. Pump and Motor:</u></b>							
<b>1. Mobilization</b>							
<b>2. Pull Pump/Motor</b>							
<b>3. Install Pump/Motor</b>							
<b>4. Demobilization</b>							
<b>5. Special Conditions</b>							
<b><u>Total Cost Bid Schedule 2 -TRIP pump/motor</u></b>							

**Schedule 3**  
Submersible Pump/Motors

30 FOOT COLUMN

Well name	Foxglenn Well	Continental Well	Shop Well	Ft. Tuthill Well	Rio Well	Interchange Well	Sinagua Well
<b>Date:</b>	1999 8"	2002 8"	2004	Apr-09	8/13/07 12in.	11/27/02 10in.	9/2009 Total well depth 2500' 12" casing
<b>Min casing size and depth</b>	liner/2004'	liner/2001'			Casing, depth 2530	Casing, depth 2340	
<b>A. Motor</b>	ESP	ESP, tandum 150's	Centrlift	Centrlift	Centrlift	Reda	Centerlift Mdl KMHJ
Horsepower	300, 76 amps	300	590	608	138	150	184
Estimated weight	3000	3000			2525	2525	2500
Voltage	2300	2300	3500	3500	2400	2300	2400
<b>B. Pump</b>	ESP, TJ 12000 (23 stage)	ESP, TJ 12000 (29 stage)	Centrlift WJJ1000B 13	Centrlift WJJ1000A 13	Centrlift P75 40 stage	Reda J700N 19 stage	Centerlift HC 10000 17 stage
Estimated weight	2500	2500			850	850	550
<b>C. Pump Column, diameter</b>	5 1/2", 8 rd	5 1/2", 8 rd	8 5/8"	8 5/8" rnd thread	4-1/2in OD	5-1/2 in OD	5 1/2 8 rnd
Average length	20', 73 joints	20', 84joints	30' & 20'	21"	20'	20'	24'
Total length	1551'	1755'	1983	1569	1998	1850	1730
Estimated weight	40000	45000					30,000
<b>D. Airline, Size</b>	Baski, (2) 1/4" stainless tubing	Baski, (2) 1/4" stainless tubing	Sounder tube, 1856	Sounder tube, 1504	in annulus 1" 1800'	1-1/2" 1840'	1" PVC
<b>E. Cable/Wire size</b>	#2-3c, 5KV, round, galv. Armor	#2-3c, 5KV, round, galv. Armor	#1 flat	#1round	8WG4	#6	#4 3 cond- rnd
<b>F. Check Valve, Size/Type</b>	(2) 5 1/2"	(2) 5 1/2"	8"	8"	none	5-1/2 OD at pump	1 5 1/2 '
location	90' and 680' above pump	80' and 900' above pump	just above pump	1 joint above pump	N/A		1690'
<b>G. Special conditions / considerations</b>	Wellhouse is 1500' W. of drilled well. Fencing is required around well because of public park.	Wellhouse is 800' N. of drilled well. Fencing is required around well because of public park.	Pitless adapter, sounder tube, no shroud	Baski pitless, no shroud, 1" sounder PVC tube	No shroud 12" pitless adapter w 4" discharge casing has been repaired	has never been out of hole	12" Baski pitless

**Schedule 3**  
Submersible Pump/Motors

30 FOOT COLUMN

Well name	Foxglenn Well	Continental Well	Shop Well	Ft. Tuthill Well	Rio Well	Interchange Well	Sinagua Well
<b><u>COSTS:</u></b>							
<b><u>A. Motor only:</u></b>							
<b>1. Mobilization</b>							
<b>2. Pull Motor</b>							
<b>3. Install Motor</b>							
<b>4. Demobilization</b>							
<b>5. Special Conditions</b>							
<b>Total cost to TRIP Motor only:</b>							
<b><u>B. Pump and Motor:</u></b>							
<b>1. Mobilization</b>							
<b>2. Pull Pump/Motor</b>							
<b>3. Install Pump/Motor</b>							
<b>4. Demobilization</b>							
<b>5. Special Conditions</b>							
<b><u>Total Cost Bid Schedule 3 (trip pump and motor)</u></b>							

**Schedule 4**  
Miscellaneous Services

Well name	Inner Basin Well # 9	Inner Basin Well # 11	Inner Basin Well # 14
<b>Date:</b>	2001	12"/485'	16"/502'
<b>Min casing size and depth</b>	16"/352'		
<b>A. Motor</b>	Cummings-Diesel	Cummings NT 855	Cummings NT 855P -
Horsepower	280 HP	280 HP	280 Hp
Estimated weight	3,000 lbs	3,000 lbs	3,000 lbs
Voltage	N/A	N/A	N/A
<b>B. Pump</b>	Johnston - 12cc, 7	Johnston - 10 GMC	Gould
Diameter	1-11/16 inches	1-1/2 inches	1-1/2"
Estimated weight	2,430 lbs	2,000 lbs	4,510 lbs
Diameter	2 1/2 "	2 1/2 "	3 "
Average length	20 feet	20 feet	20 feet
Estimated weight	2,450 lbs	2,530 lbs	4,610 lbs
<b>C. Pump Column,</b>			
Diameter	8 inches	8 inches	8"
Average length	20 feet	20 feet	20 feet
Estimated weight	Johnston, type A, est. wt. 700 lbs	Johnston, size 16, est. wt. 700 lbs	Goulds, est. wt. 700 lbs
<b>D. Airline/size</b>	3/4" x 21' Galv. Steel	3/4" x 21' Galv. Steel	1 inch Galv. Steel
<b>G. Special conditions / considerations</b>	Contractor will remove/replace well bldg. Access limited. Pipeline Road tunnel limits height to 10', width to 8 1/2'. Tunnel is 25' long. Lockett Meadow Rd is steep. Either rd leads to I B.	Contractor will remove/replace well bldg. Access limited. Pipeline Road tunnel limits height to 10', width to 8 1/2'. Tunnel is 25' long. Lockett Meadow Rd is steep. Either rd leads to I B.	Contractor will remove/replace well bldg. Access limited. Pipeline Road tunnel limits height to 10', width to 8 1/2'. Tunnel is 25' long. Lockett Meadow Rd is steep. Either rd leads to I B.
<b>COSTS:</b>			
<b>A. Motor only:</b>			
<b>1. Mobilization</b>			
<b>2. Pull Motor</b>			
<b>3. Install Motor</b>			
<b>4. Demobilization</b>			
<b>5. Special Conditions</b>			
<b>Total cost to TRIP Motor only:</b>			
<b>B. Pump and Motor:</b>			
<b>1. Mobilization</b>			
<b>2. Pull Pump/Motor</b>			
<b>3. Install Pump/Motor</b>			
<b>4. Demobilization</b>			
<b>5. Special Conditions</b>			
<b>Total Cost Bid Schedule 4 -TRIP pump/motor</b>			

**Schedule 5**  
Booster Stations

PUMPS WITH LINE SHAFTS

Station and name of device	Woody Mtn. Booster Sta, Pumps 1 & # 2	Reservoir Filtration Plant: P-2030, P-2040	Reservoir Filtration Plant, P-2130	Reservoir Filtration Plant, P-2100, P-2120	Raw Water Pump House, P1001 P1003 Surface water	Raw Water Pump House, P1002 Surface water
<b>A. Motor</b>	U.S.Motor	U.S.Motor	U.S.Motor	U.S.Motor	U.S.Motor	U.S.Motor
Horsepower	135	75	30	15	200	250 (1964)
Estimated weight	1250	1250	500	250	2000	2000
Voltage	440	440	440	440	440	440
<b>B. Pump</b>	Goulds	Worthington	Worthington	Worthington	Birkelbach	Birkelbach
Estimated weight	850 lbs	850 lbs	850 lbs	850 lbs	850 lbs	
<b>C. Pump Column, diameter</b>	12 inches	5 inches	12 inches	5 inches	14 in.	14 in.
Average length	30 feet	30 feet	30 feet	30 feet	30 feet	30 feet
<b><u>G. Special conditions / considerations</u></b>	Requires medium crane for removal	Requires large crane for removal of pump and motor	Requires large crane for removal of pump and motor	Requires large crane for removal of pump and motor	Requires large crane for removal	Requires large crane for removal
<b><u>COSTS:</u></b>						
<b><u>A. Motor only</u></b>						
<b>1. Mobilization</b>						
<b>2. Pull Motor</b>						
<b>3. Install Motor</b>						
<b>4. Demobilization</b>						
<b>5. Special Conditions</b>						



**Schedule 5**  
Booster Stations

PUMPS WITH LINE SHAFTS

<b>Total Cost to TRIP MOTOR only</b>						
<b><u>B. Pump and Motor :</u></b>						
<b>1. Mobilization</b>						
<b>2. Pull pump/motor</b>						
<b>3. Install pump/motor</b>						
<b>4. Demobilization</b>						
<b>5. Special Conditions</b>						
<b><u>Total Cost Bid Schedule 5 -TRIP</u></b>						

**Schedule 5**  
Booster Stations

PUMPS WITH LINE SHAFTS

<b>Station and name of device</b>	<b>Raw Water Pump House, P2001 P2002 Well water</b>	<b>Raw Water Pump House, P2003 Well water</b>	<b>Lake Mary Water Plant, P-6201 P-6202 backwash</b>	<b>Lake Mary Water Plant, P-6001 (2 MGD)</b>	<b>Lake Mary Water Plant, P-6002 P-6003 (4MGD)</b>	<b>Lake Mary Water Plant, P-6004</b>	<b>Lake Mary Water Plant, wetwell pumps</b>
<b>A. Motor</b>	U.S.Motor	U.S.Motor	U.S.Motor	U.S.Motor	U.S.Motor	U.S.Motor	General Electric
Horsepower	200	250 (1964)	60	100	175	250	25
Estimated weight	2000	2000	1500	1750	2000	2500	720
Voltage	440	440	440	480	480	440	460
<b>B. Pump</b>	Birkelbach	National Pump	Birkelbach	Birkelbach	Birkelbach	Floway	Fairbanks Morse
Estimated weight		850 lbs	850 lbs	850 lbs	850 lbs	850 lbs	
<b>C. Pump Column, diameter</b>	14 in.	14 in.	12 in.	12 in.	12 in.	12 in.	13.63
Average length	30 feet	30 feet	30 feet	30 feet	30 feet	30 feet	10
<b><u>G. Special conditions / considerations</u></b>	Requires large crane for removal	Requires large crane for removal	Requires large crane for removal	Requires large crane for removal	Requires large crane for removal	Requires large crane for removal	Requires large crane for removal thru skylite
<b><u>COSTS:</u></b>							
<b><u>A. Motor only</u></b>							
<b>1. Mobilization</b>							
<b>2. Pull Motor</b>							
<b>3. Install Motor</b>							
<b>4. Demobilization</b>							
<b>5. Special Conditions</b>							

**Schedule 5**  
Booster Stations

PUMPS WITH LINE SHAFTS

<b>Total Cost to TRIP MOTOR only</b>							
<b><u>B. Pump and Motor :</u></b>							
<b>1. Mobilization</b>							
<b>2. Pull pump/motor</b>							
<b>3. Install pump/motor</b>							
<b>4. Demobilization</b>							
<b>5. Special Conditions</b>							
<b><u>Total Cost Bid</u> <u>Schedule 5 -TRIP</u></b>							

**Schedule 6**  
Booster Stations

W/O LINE SHAFTS

Station and name of device	Airport Booster Station, Patterson Fire Pump	Airport Booster Station, Transfer Pumps 1 & 2	University HighInds Bstr Sta, Domestic Pump # 1 & # 2	University HighInds Booster Station Fire Pump	Kinlani Booster Station	Railroad Springs Booster Station, Pump # 1 & # 2	Lake Mary Water Plant, Recovery Pond	Foxglenn Sinagua Distribution Pump	Tuthill Distribution Pump	Rio Well Distribution Pump	Shop Well distribution pump	Interchange Well distribution pump
<b>A. Motor</b>	Cummins	U.S. Motor	U.S.Motor	U.S.Motor	U.S.Moto		(2) US Moto	US Motor	US Motor	U.S.Mot	U.S.Motor	
Horsepower	182	2	15	75	15	125	5	50 ea	100	20	125	
Estimated weight	1000	100	120	1000	100	500	150	750 ea	1000	125	1200	
Voltage	Diesel	220 single phase	440	440	440	480	440	480	480	480	460	
<b>B. Pump</b>	Patterson	Peerless	PACO	Fairbanks Morse	Peerless	HSC 4.5.11c	Myers	(2) Aurora type 420 multi stage split case	Aurora type 410 1 stage split case	Fairbanks Morse	Fairbanks Morse, 12m - 7000aw, 5 stages	Fairbanks Morse 8m - 7000aw, 11stages
Estimated weight	850 lbs	150	50	850 lbs	150	1000	150					
<b>G. Special conditions / considerations</b>	Pump and Engine must be rolled out of building to be removed	Small Pumps < 200lbs	Pumps inside building need small lifting aid to handle easily	Pump is horizontal - requires existing trolley to remove from building		Skid mounted. Small crane with 1 ton capacity should be able to remove these			crane required to lift through roof	crane required to lift through roof	Requires large crane for removal thru skylite	Requires large crane for removal thru skylite
<b>COSTS:</b>												
<b>A Pump Only:</b>												
<b>1. Mobilization</b>												
<b>2. Pull</b>												
<b>3. Install</b>												
<b>4. Demobilization</b>												

**Schedule 6**  
Booster Stations

W/O LINE SHAFTS

<b>5. Special Conditions</b>													
<b><u>Total Cost Bid Schedule 6</u></b>													
<b><u>B. Pump and Motor :</u></b>													
<b>1.</b>													
<b>2. Pull pump/moto</b>													
<b>3. Install pump/moto</b>													
<b>4. Demobilizat</b>													
<b>5. Special Conditions</b>													
<b><u>Total Cost Bid Schedule 6</u></b>													

**Schedule 7**  
Pumps at Rio De Flag

<u>Station and name of device</u>	Influent Pumps	Horizontal end suction pumps	Vertical Turbine Pumps (reclaim pumps)	Submersible Propeller Mixer (recirculation mixer)
<b>A. Number of units</b>	5	5	4	pump & motor are one unit
<b>B. Motor</b>	Marathon	Marathon	G. E.	FLYGT
Horsepower	100	10	250	10
Estimated weight	1500 lbs.	294 lbs.	2400 lbs.	530 lbs.
Voltage	460	460	460	460
<b>C. Pump</b>	Aurora	Aurora	Ingersoll	N/A
<b>Model</b>	613A	611P		PP-4451
<b>Size</b>	6*8*18	6*6*12B		N/A
<b>Gallons Per Min.</b>	2600	700	2150	
<b>Estimated weight</b>	1530lbs.	131	3500	N/A
<b>D. Special conditions / considerations</b>	Building has traveling bridge crane for lifting pump and motor, two ton capacity.	Pump room has overhead fixed chain hoist in middle of room.	Five stage pump. Building has traveling bridge crane for lifting motors and pumps, three ton capacity.	Portable winch assembly on site for removal from basin.
<b><u>COSTS:</u></b>				
<b><u>A Pump Only:</u></b>				
<b>1. Mobilization</b>				
<b>2. Pull pump</b>				
<b>3. Install pump</b>				
<b>4. Demobilization</b>				
<b>5. Special Conditions</b>				
<b><u>Total Cost Bid Schedule 7 (trip pump)</u></b>				
<b><u>B. Pump and Motor :</u></b>				
<b>1. Mobilization</b>				
<b>2. Pull pump/motor</b>				
<b>3. Install pump/motor</b>				
<b>4. Demobilization</b>				
<b>5. Special Conditions</b>				
<b><u>Total Cost Bid Schedule 7 -TRIP</u></b>				

Schedule 8  
Pumps at Wildcat Hill

Station and name of device	Bio Sump Pump # 1	Bio Sump Pump # 2	Two Low Pressure Pumps	Three High Pressure Pumps	Station and name of device	P. E. Pumps and Motors	FCC Pumps and Motors	Reclaim Tank Fill Pump	SEPS Pumps
<b>A. Number of units</b>	1	1	2	3	<b>A. Number of units</b>	4	3	1	3
<b>B. Motor</b>	Waukesha	Yaskawa, 3 phase	US Vertical Hollow Shaft	US Vertical Hollow Shaft	<b>B. Motor</b>	US Electrical	RUI US Motors	US Motor VIT	GE Vertical Induction, High
Horsepower	250 HP	250 HP	15 HP	20 HP	Horsepower	40 HP	75 HP	10 HP	59 HP
Estimated weight	6,000 lb	6,170 lb	250 lb	250lb	Estimated weight	600 lb	400 lb	300 lb	800 lb
Voltage	N/A	480	480	480	Voltage	480	460	480	460
<b>C. Pump</b>	Aurora	Aurora	Johnson, Type A, 3 Stage, 10 DOL, Peabody	Johnson, Type A, 9 Stage Goul Pump Bowl Assembly	<b>C. Pump</b>	Cascade / Auro	Goul	Goul	Fairbanks / Morse
Model	V31-72529	V31-72530	JTA	JTA	Model	15837-40	11CLC	11CLC	8312
Size	25 inch	25 inch	6 inch * 1 inch	6 inch * 1 inch	Size	12 MFCH	11CLC	11CLC	1 STG 14 inch
Gallons Per Min.	17,500	17,500	450	260	Gallons Per Min.	5,550	1085	975	8,000
Estimated weight	2,500 lb	2,500 lb	650 lb	800 lb	Estimated weight	1,800 lb	700 lb	700 lb	2,300 lb
<b>D. Pump housing</b>					<b>D. Pump housing</b>				
Diameter	30 inches	30 inches	6 inch	6 inch	Diameter	12 inch	7.6975 inches, 6 stages	7.13 inches	16 inch
Length	15 feet	15 feet	15 feet	11 feet	Length	18 feet, including motor	11 feet, including motor	11 feet	16 feet
<b>E. Check valve</b>					<b>E. Check valve</b>				
Size	N/A	N/A	4 inch	4 inch	Size	16-150 W	6 inch	6 inch	EDDY 10 WA 16 LIST 114
Location	N/A	N/A	Discharge side of pump	Discharge side of pump	Location	Discharge side of pump, flange to flange.	Discharge side of pump	Discharge side of pump	Discharge side of pump
<b>F. Special conditions / considerations</b>	Requires rigging to remove motor and pump from sump and building. Overhead crane available for removal of right angle gear and pump.	Requires rigging to remove motor and pump from sump and building. Overhead crane available for removal of motor and pump.	Roof cover will need to be removed to access pumps and motors for removal.	Roof cover will need to be removed to access pumps and motors for removal.	<b>F. Special conditions / considerations</b>	Roof cover will need to be removed to access pumps and motors for removal.	Roof cover will need to be removed to access pumps and motors for removal.	Roof cover will need to be removed to access pumps and motors for removal.	Roof cover will need to be removed to access pumps and motors for removal.
<b>COSTS:</b>					<b>COSTS:</b>				
<b>A Pump Only:</b>					<b>A Pump Only:</b>				
1. Mobilization					1. Mobilization				
2. Pull pump					2. Pull pump				
3. Install pump					3. Install pump				
4. Demobilization					4. Demobilization				
5. Special Conditions					5. Special Conditions				
Total Cost Bid Schedule 8 (trip pump)					Total Cost Bid Schedule 8				
<b>B. Pump &amp; Motor</b>									
1. Mobilization					1. Mobilization				
2. Pull pump & motor					2. Pull pump & motor				
3. Install pump & motor					3. Install pump & motor				
4. Demobilization					4. Demobilization				
5. Special Conditions					5. Special Conditions				
Total Cost Bid Schedule 8					Total Cost Bid Schedule 8				