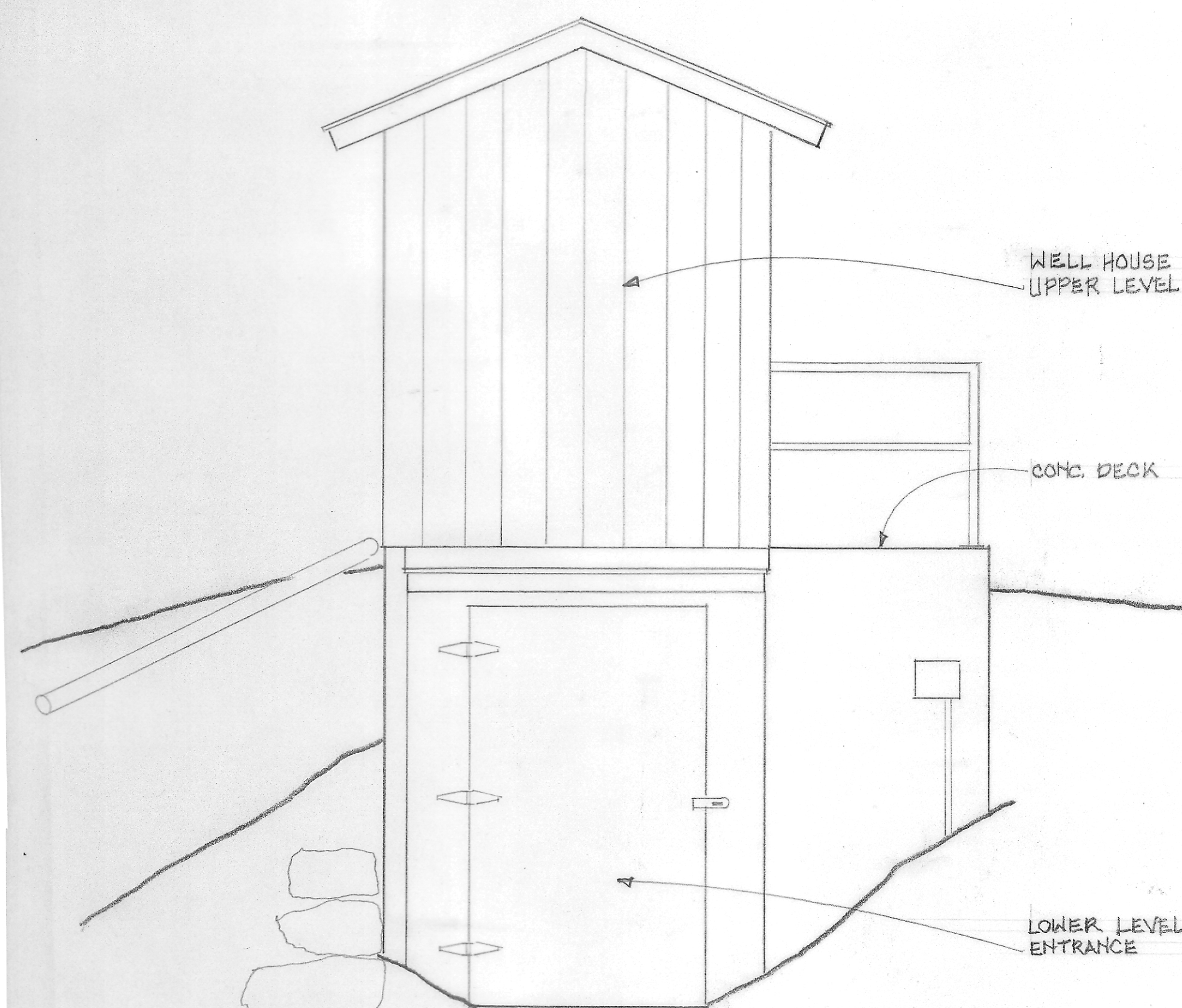
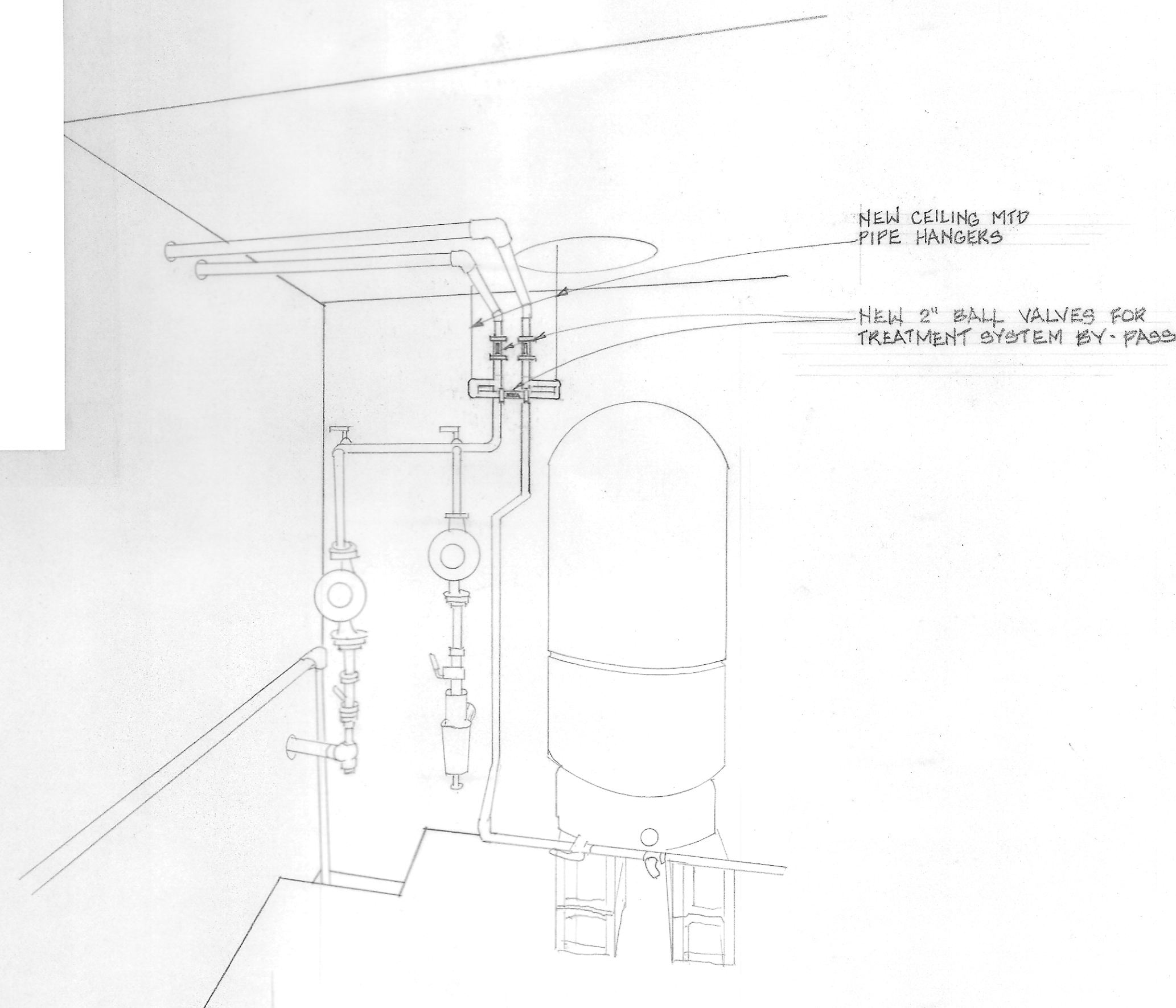


Pawtuckaway State Park WATER TREATMENT SHED UPGRADES THE WORK AND OUTLINE SPECIFICATIONS

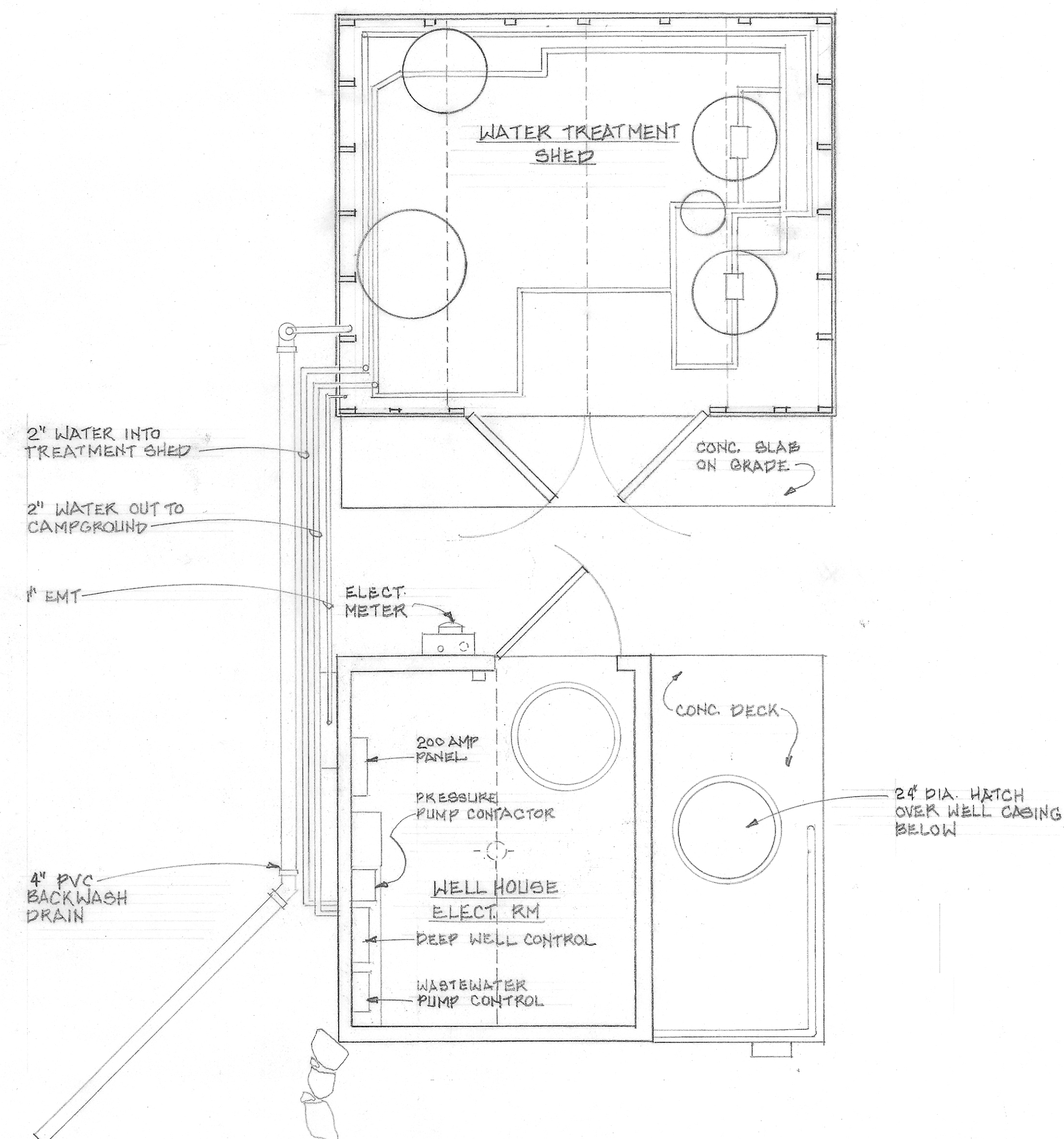
1. SCHEDULE WORK FOR TIME PERIOD AFTER HORSE ISLAND CAMPGROUND CLOSES IN THE FALL, BUT BEFORE WEATHER GETS COLD ENOUGH TO FREEZE TANKS. Horse Island Campground will close on Oct. 14.
2. COORDINATE WITH THE WATER TREATMENT SYSTEM INSTALLER: PUMP SYSTEMS INCORPORATED (John Brenham tel: 603 934 7100 cell: 603 455 2071) TO DISCONNECT AND REMOVE ALL TANKS AND EQUIPMENT THAT SIT ON THE SHED FLOOR. Pump Systems Incorporated installed the treatment system in April and have warrantied the system. In order to maintain the warranty, this work must be done by Pump Systems Inc.
3. AT THE WELL HOUSE, PLUMB-IN VALVE AND PIPING FOR BY-PASS TO WATER TREATMENT SYSTEM. Valves to be Spears 2" PVC True Union Ball Valves model 3629-020. Piping and fittings to connect by-pass to existing plumbing to be PVC schedule 80. Provide ceiling mounted pipe hangers to support pipes in accordance with the State plumbing code.
4. REMOVE AND DISPOSE OF WATER-DAMAGED FLAKE BOARD FLOOR.
5. INSTALL MEMBRANE OVER EXISTING CONCRETE SLAB AND UNDER FLOOR JOISTS TO PROVIDE A BASE FOR SPRAY FOAM INSULATION. Bond-breaker membrane to be 10 mil polyethylene sheeting.
6. INSTALL 2 X 4 PT PERIMETER SKIRT BOARD AROUND BASE OF SHED TO CONTAIN UNDER-FLOOR INSULATION.
7. INSTALL THRU-WALL PVC DRAINPIPES FOR THREE NEW DRAIN PANS TO GO UNDER TANKS. Drains to be 1" PVC with a 90-degree elbow turn-down at the discharge end. Coordinate piping to connect with fitting provided in new drain pans.
8. INSTALL ROUGH ELECTRICAL WIRING AND 2 X 6 MOUNTING BOARD FOR ELECTRICAL HEATER. Wiring is for new electric heater and new light fixture and wall switch in the treatment shed. Use MC cable.
9. MASK OFF VALVES, PIPES AND FITTINGS TO PROTECT FROM OVER-SPRAY OF FOAM INSULATION
10. INSTALL INSULATION FRAMES ON INTERIOR FACE OF BOTH DOORS
11. INSULATE WALL/ROOF BAYS, UNDER FLOOR SPACE AND DOOR FRAMES WITH SPRAY FOAM. Spray Polyurethane Foam (SPF) to be closed-cell, R6.1 per inch. Provide 3 1/2" SPF at wall and roof bays. Provide 6" SPF under floor.
12. COAT ALL EXPOSED SURFACES OF SPF WITH AN IGNITION BARRIER. Ignition barrier to be No Burn ThB, a thin film, water-based intumescent coating applied to provide a 15 minute thermal -barrier as tested under ASTM E 119. Finish color: white.
13. INSTALL 3/4" CDX PLYWOOD SUB FLOOR.
14. INSTALL SHEET VINYL FLOORING
Basis of design for sheet vinyl is Armstrong CushionStep B3310 Beacon Rock Vinyl Sheet color "Arctic Ice" with Diamond 10 wear layer and residential warranty of 25 years.
15. INSTALL NEW DRAIN PANS TO GO UNDER THREE TANKS. CONNECT DRAINPIPES TO DRAIN PANS.
Basis of design for drain pans is Killarney Metals KM 10232. Pans to be 18 Ga stainless steel 24" diameter x 2" deep with fitting for 1" PVC drain pipe.
16. INSTALL ELECTRIC HEATER
Electric Heater to be Marley WHT500 Series Utility Well House Heater with temperature control range of 40 to 70 degrees F. Mount heater at a minimum of 18" above the floor and a minimum of 12" below ceiling.
17. INSTALL THE NEW LIGHTING FIXTURE.
Basis of design for new LED wall/ceiling bracket LED fixture is Metalux 4BCLED4-28SL-F-UNV-L835 CD1. This is a 4' LED strip fixture with frosted acrylic shield and a lumen output of 2800.
18. RE-INSTALL WATER TREATMENT TANKS AND CONNECT TO PLUMBING.
This work to be done by the original installer, Pump Systems Incorporated in order to maintain the warranty on the existing system.



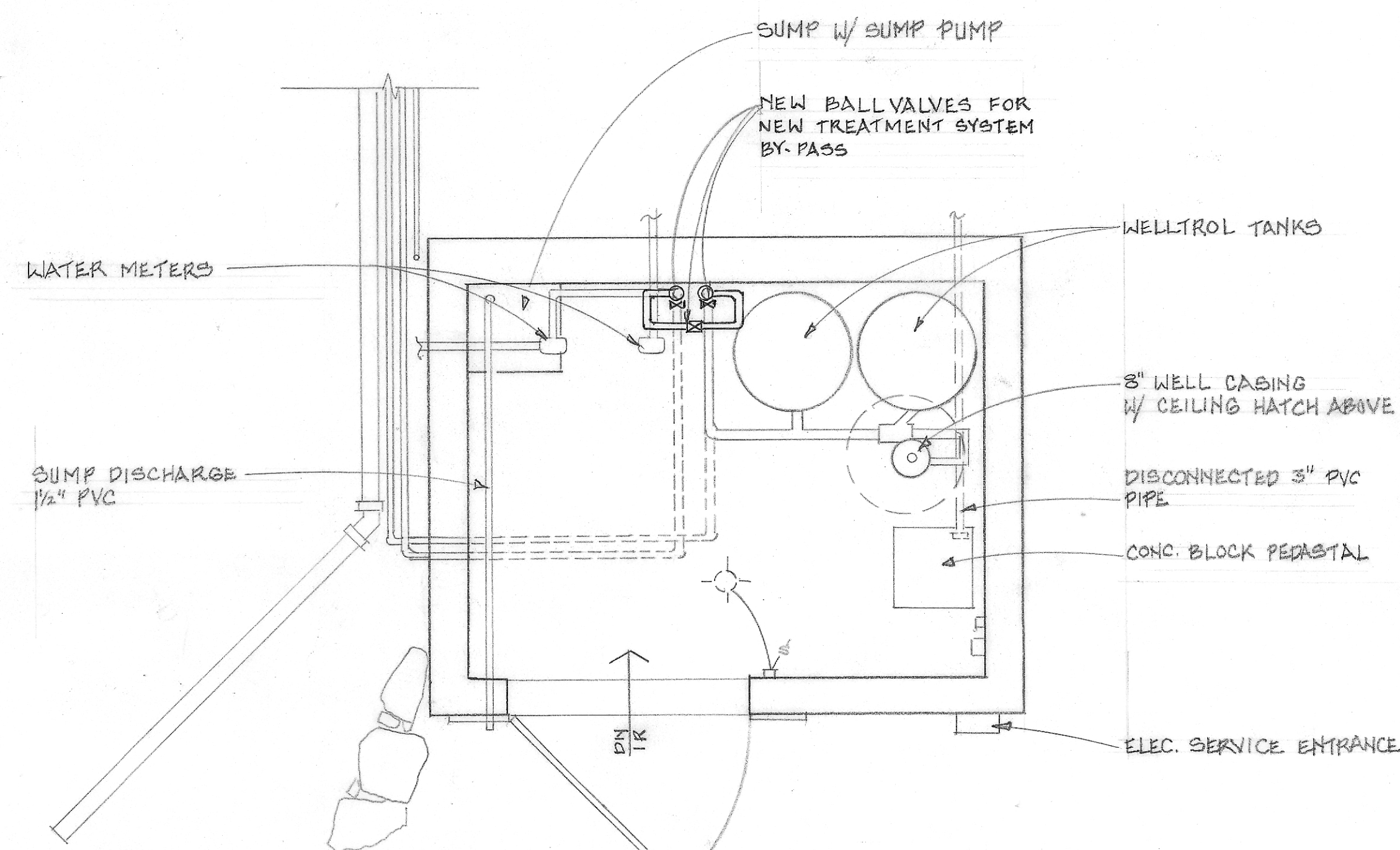
1 WELL HOUSE SOUTH ELEV.
P-1 SCALE: 1/2" = 1'-0"



2 LOCATION FOR BY-PASS VALVES
P-1 NO SCALE



3 PUMP STATION UPPER LEVEL EXIST'G CONDITIONS
p-1 SCALE: 1/2" = 1'-0"



4 PUMP STATION LOWER LEVEL FLOOR PLAN
P-1 SCALE: $\frac{1}{2}" = 1'-0"$

	CAPITAL PROJECTS & MAINTENANCE D NCR	HORSE ISLAND CAMPGROUND PAWBUCKAWAY STATE PARK	EXIST'G PUMP STATION W/ NEW TREATMENT SYSTEM BY-PASS	DATE AUG. 1, 2025	PROJECT No: OPS 2517
				DRAIN BY: TCM	REVISIONS:
				SCALE: 1"=40'	