NEW SELECTOR SWITCH BOX AND WELL PUMP PANEL NOTES:

1. PROVIDE NEW RESERVOIR FLOAT SELECTOR SWITCH BOX. SELECTOR SWITCH WILL ALLOW OPERATOR TO CONTROL SYSTEM WITH EITHER FLOATS IN EXISTING RESERVOIR OR FLOATS IN PROPOSED RESERVOIR. WIRE THE SELECTOR SWITCH INPUT TO PROPOSED RESERVOIR FLOATS (SEE SHEET C5) AND EXISTING RESERVOIR SIGNAL WIRES. OUTPUT OF SELECTOR SWITCH TO BE WIRING TO PROPOSED WELL PUMP CONTROL PANEL AND EXISTING BOOSTER PUMP CONTROL PANEL.

2. SELECTOR SWITCH OUTPUT TO EXISTING BOOSTER PUMP CONTROL PANEL SHALL BE USED TO TRIGGER BOOSTER PUMP CUTOFF AND ALARM.

3. PROVIDE NEW WELL PUMP CONTROL PANEL THAT WILL ACTUALLY START PUMP BASED ON RESERVOIR LEVEL FROM SELECTOR SWITCH. SELECTOR SWITCH OUTPUT TO PROPOSED WELL PUMP CONTROL PANEL SHALL BE USED TO TRIGGER VISUAL AND ACOUSTIC HIGH AND LOW LEVEL RESERVOIR ALARMS ON THE PANEL. ALARMS SHALL BE TRIGGERED BY EITHER THE PROPOSED RESERVOIR ALARM CONTROL SET POINTS (SEE SHEET C5) OR THE EXISTING RESERVOIR ALARM CONTROL SET POINTS, DEPENDING ON WHICH RESERVOIR FLOATS ARE BEING USED BY THE SELECTOR SWITCH BOX TO CONTROL THE SYSTEM. CONTRACTOR SHALL COORDINATE WITH THE PARK TO CONFIRM PRESENCE OF EXISTING RESERVOIR ALARMS IN SHEET.

4. WELL PUMP CONTROL PANEL SHALL CONTAIN WELL PUMP HAND/CONTINUOUS SWITCH, PUMP RUN INDICATOR LIGHT, AND WELL PUMP RUN TIME METER (9 HOURS).

5. CONTRACTOR SHALL COORDINATE WITH THE PARK TO CONFIRM WHICH OF THE FOLLOWING ITEMS SHALL BE NEEDED IN THE WELL PUMP CONTROL PANEL: DIGITAL DISPLAY FOR WELL WATER LEVEL DEPTH, WELL WATER LEVEL ALARM, AND AUTOMATIC WELL PUMP SHUT OFF FOR LOW WATER LEVEL IN WELL.

6. WIRE NEW WELL PUMP CONTROL PANEL TO SUBMERSIBLE WELL PUMP IN ACTIVE WELL (SEE SHEET C5).

7. IF NEEDED, WIRE NEW WELL PUMP CONTROL PANEL TO EXISTING SIGNAL WIRE FROM WELL WATER LEVEL MEASUREMENT DEVICE.

8. EXISTING WELL PUMP CONTROL PANEL CONTAINS TWO FRANKLIN ELECTRIC WELL PUMP CONTROL BOXES. CONTRACTOR TO COORDINATE WITH THE PARK TO DETERMINE WHICH BOX BELONGS TO THE ACTIVE WELL/PUMP CONTRACTOR TO REPLACE ACTIVE WELL PUMP CONTROL BOX IN KIND.

9. NEW CONTROLS, AS DESCRIBED ABOVE, SHALL ULTIMATELY PROVIDE MEANS FOR POOL OPERATION WITH EITHER RESERVOIR IN OPERATION (PROPOSED OR EXISTING), OR BOTH RESERVOIRS IN OPERATION.

10. DEMO EXISTING WELL PUMP CONTROL PANEL. SEQUENCE CONSTRUCTION ACTIVITIES TO ENSURE CONTINUOUS OPERATION OF SYSTEM UNTIL FINAL TRANSFER TO NEW CONTROLS.

11. SHOP DRAWINGS SHALL BE PROVIDED SHOWING ALL ASSOCIATED WORK.
SEPTIC TANK

1. 6,000 GALLON SINGLE WALL FRP TANK (8' FT DIAMETER), VAIN AL counterpart APPROVED EQUAL
2. 18 FT PEACOCK DECKING (1 EACH SIDE - 2 TOTAL) - SUPPLIED BY TANK MANUFACTURER
3. 24 IN FRP OPENING (2 TOTAL)
4. 30 IN FRP OPENING (1 TOTAL)
5. 24 IN RUBBER PVC RISER W/ WATERSTOP FRP LED (2 TOTAL)
6. 30 IN RUBBER PVC RISER W/ WATERSTOP FRP LED (1 TOTAL)
7. 4 IN SCH 40 PVC INLET PIPE (1)
8. 4 IN SCH 40 PVC GRAVITY OUTLET PIPE, INSIDE AT 8' ABOVE BOTTOM OF TANK
9. HOLE DOWN TANK AND TURNBROCK ASSEMBLY (2 TOTAL) - SUPPLIED BY TANK MANUFACTURER
10. FULL HEIGHT FRP BATTLE WALL TurboSystem with PLUG-THROUGH HOLES (2 DETAIL 3.102). LOCATE AT 7TH FT FROM INLET SIDE OF TANK
11. COMMERCIAL GRADE EFFLUENT FILTER W/ HIGH LEVEL FLOAT ASSEMBLY, OREGON FTLS-54-36 OR APPROVED EQUAL
12. SLUDGE PUMP SYSTEM FOR EFFLUENT FILTER REMOVAL - SUPPLIED BY EFFLUENT FILTER MANUFACTURER
13. CONTROL PANEL (SEPTIC TANK AND PUMP TANK TO SHARE SINGLE PANEL)
14. Alarm FLOAT SPICE BOX - SUPPLIED BY CONTROL PANEL MANUFACTURER

SEPTIC TANK DESIGN CONSIDERATIONS:
- DAILY DESIGN FLOW = 1.714 GALLONS
- MAXIMUM SEPTIC TANK SIZE = DAILY DESIGN FLOW X 3 = 5,120 GALLONS
- TOTAL LIQUID STORAGE VOLUME PROVIDED = 5,178 GALLONS
- FIRST COMPARTMENT LIQUID STORAGE VOLUME PROVIDED = 3,478 GALLONS
- SECOND COMPARTMENT LIQUID STORAGE VOLUME PROVIDED = 1,700 GALLONS

FLOAT SWITCH SETTINGS:
- LOW LEVEL ALARM = 8'