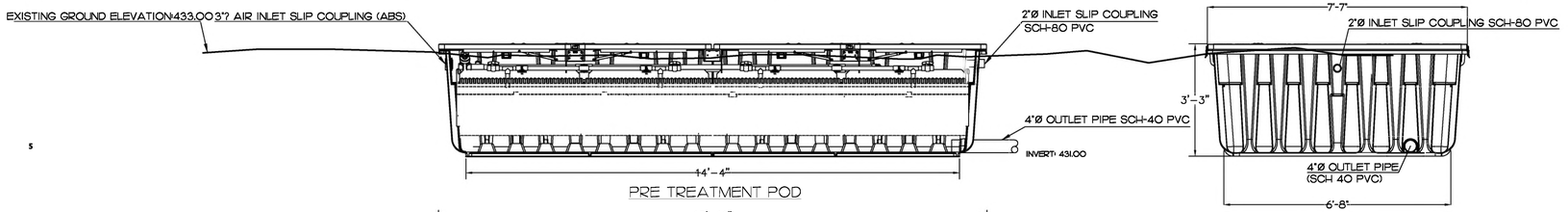
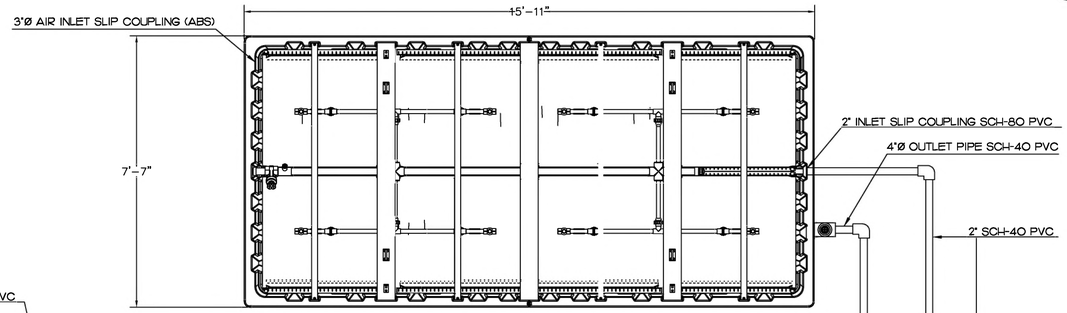
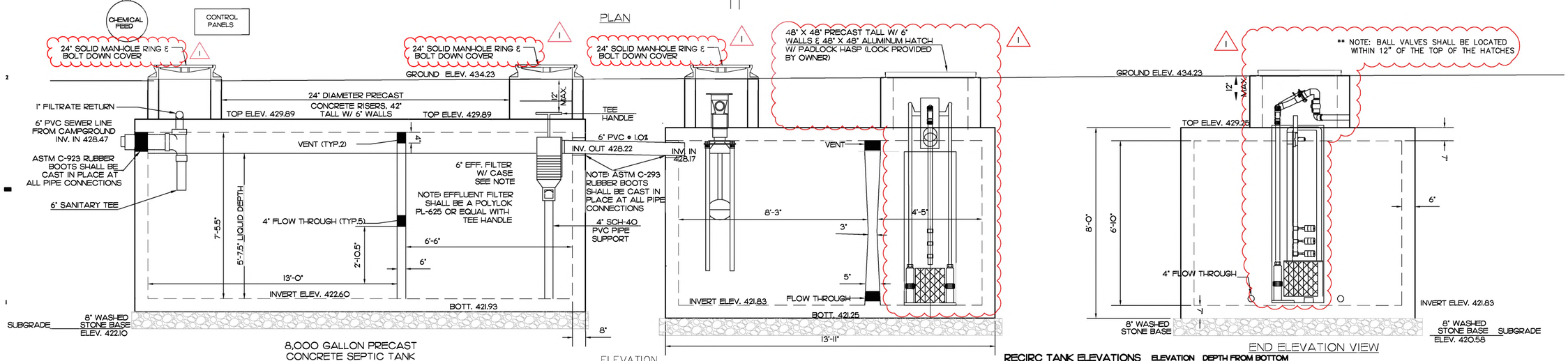


PRE TREATMENT POD

AXIOO END VIEW
SCALE: 1" = 2'-0"



PLAN



8,000 GALLON PRECAST CONCRETE SEPTIC TANK
21'-4" X 11'-4" X 9'-3" TALL
(SHOAF STB-2083 OR EQUAL)

ELEVATION

3,600 GALLON PRECAST CONCRETE RECIRC TANK
13'-11" X 6'-6" X 8' TALL
(SHOAF PT-2096 OR EQUAL)

END ELEVATION VIEW

RECIRC TANK ELEVATIONS	ELEVATION	DEPTH FROM BOTTOM
A INVERT	421.83	0.0"
B LOW WATER	425.25	41.0"
D OVER RIDE TIMER	426.96	61.5"
E HIGH WATER ALARM	427.70	66.0"
D TOP ELEVATION	429.25	
E GROUND ELEVATION	434.23	

1 / U2.3 — SEPTIC & RECIRC TANK DETAILS
SCALE: 1/2" = 1'-0"

SEPTIC TANK & PRE TREATMENT POD NOTES:

1. TANKS SHALL BE PRECAST CONCRETE AND TRAFFIC-RATED WITH MINIMUM 6" WALLS AND BOTTOM AND TOP SLABS. ALL PIPE AND ACCESS OPENINGS SHALL BE FORMED WHEN THE TANKS ARE CAST. RUBBER BOOTS SHALL BE INSTALLED TO SEAL ALL PIPE OPENINGS (C-293 OR EQUAL). ON THE TANKS, TWO 24" DIAMETER PRECAST CONCRETE ROUND RISERS SHALL BE USED TO BRING THE SEPTIC TANK ACCESSES TO 6" ABOVE THE FINISHED GRADE ELEVATION. THE EFFLUENT FILTER SHALL BE A POLYLOK PL-625 OR EQUAL.

2. ALL RISERS SHALL HAVE 6" WALL THICKNESS. TANKS SHALL BE APPROVED BY THE ON-SITE WASTEWATER SECTION OF EHS-DWR.

3. PUMPS SHALL BE HIGH HEAD TURBINE EFFLUENT PUMPS OR EQUAL CAPABLE OF PUMPING 50 GALLONS PER MINUTE AND HOUSED IN A COMPATIBLE PUMP VAULT OF THE SAME MANUFACTURER. SEE THE DETAIL SPECIFICATIONS FOR FURTHER PUMP AND CONTROL SYSTEM REQUIREMENTS. BOTH PUMPS SHALL HAVE 2" DISCHARGES FOR CONNECTING TO THE 2" PIPING SHOWN. CHECK VALVES SHALL BE INSTALLED ON THE VERTICAL PUMP DISCHARGES AS PART OF THE DISCHARGE ASSEMBLY FOR MAINTENANCE.THE DISCHARGE ASSEMBLY SHALL BE COMPATIBLE WITH AND OF THE SAME MANUFACTURER AS THE PUMPS AND PUMP VAULT TO ENSURE EASE OF VALVE AND PUMP REMOVAL FOR MAINTENANCE.

4. PIPING FROM THE FLEXABLE HIGH PRESSURE HOSE TO THE OUTSIDE OF THE PUMP TANK SHALL BE SCH-40 PVC. PIPING SHALL BE ANCHORED WHERE SHOWN WITH 1-1/2" ALUMINUM ANGLE BRACKETS WITH STAINLESS STEEL U-BOLTS AND AND ANCHOR BOLTS.

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seals

NORTH CAROLINA PROFESSIONAL SEAL 039760 ENGINEER John F. Watson
2/6/2024

revisions
1 2/6/2024 - ADDENDUM #1

Campground Improvements
Umstead State Park
8801 Glenwood Ave
Raleigh, NC 27617
NC Division of Parks and Recreation

PROJECT: 21045
DATE: 1/19/2024
DRAWN: MWB
CHECKED: JFW

sheet name
Septic System Details

sheet no
U2.3