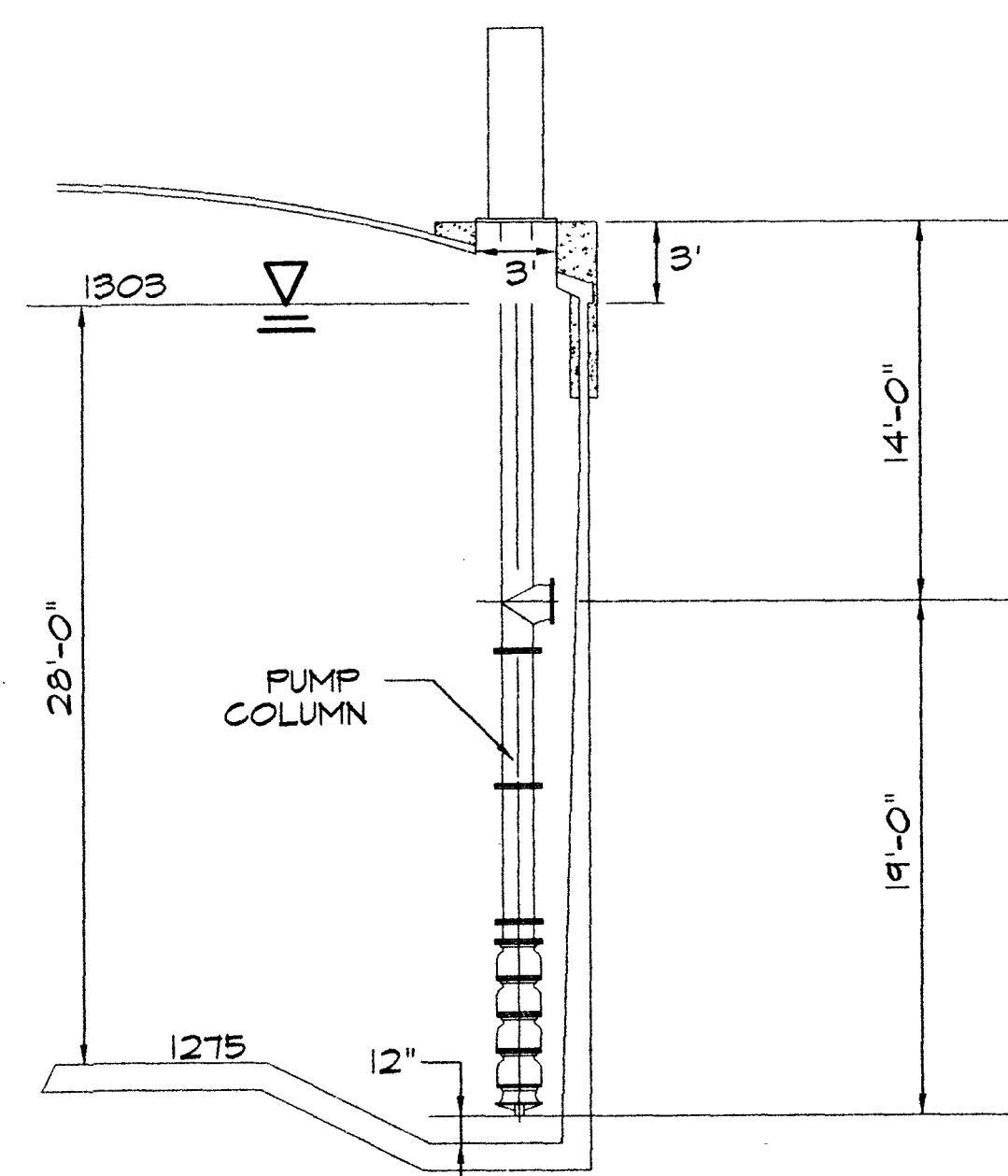
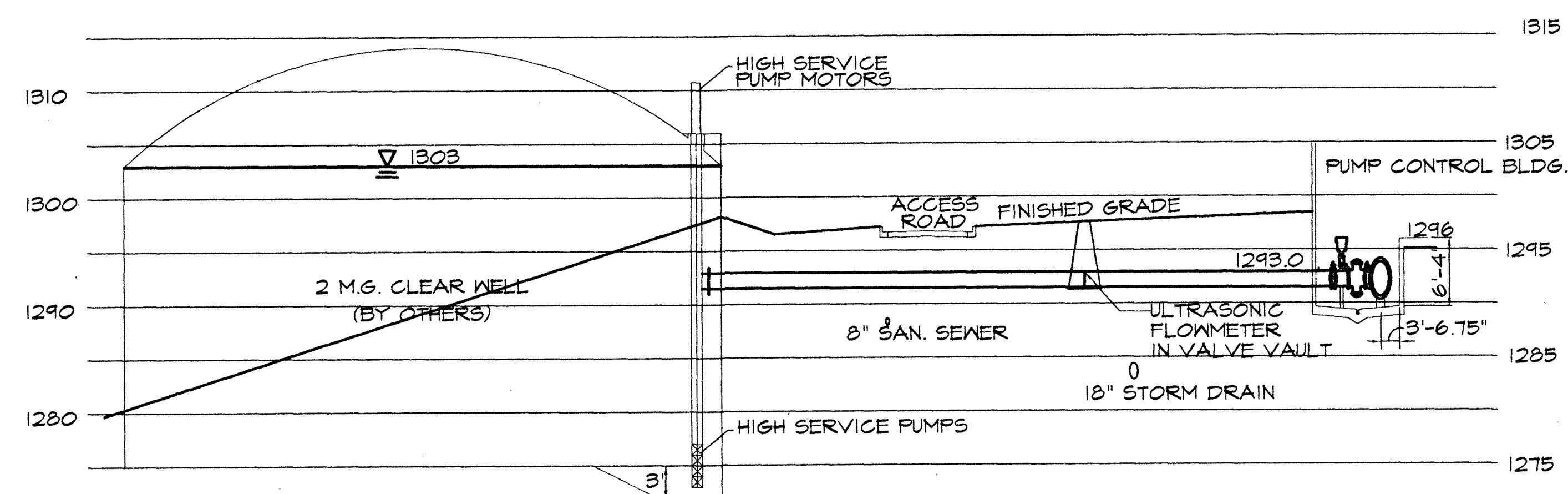


**FILTERED LINE PROFILE**  
 SCALE VERT 1" = 10'-0"  
 HORIZ 1" = 40'-0"



**PUMP / CLEARWELL DETAIL**  
 NOT TO SCALE

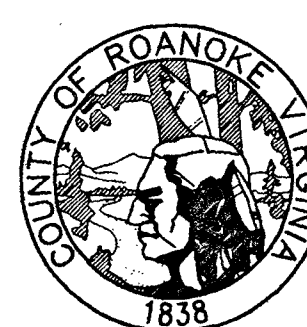


**TYPICAL 16" PIPING PROFILE  
 BETWEEN PUMPS & PUMP CONTROL BLDG**

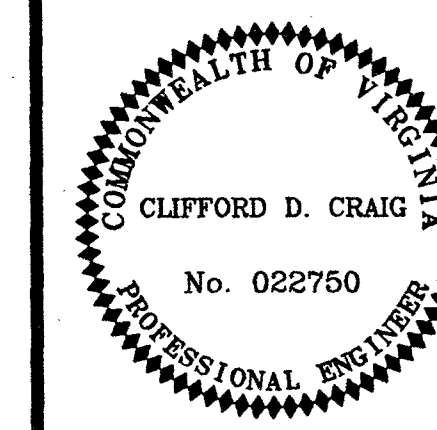
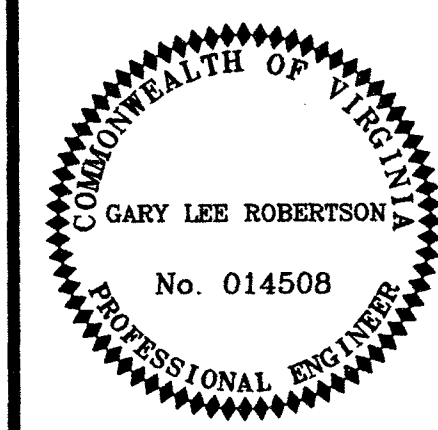
SCALE VERT 1" = 10'-0"  
 HORIZ 1" = 20'-0"

**NOTES**

1. ALL 42" FILTERED LINE PIPING AND FITTINGS TO BE CLASS 52 DUCTILE IRON EXCEPT FOR WATER TREATMENT PLANT PIPING
2. SEE SHEET T3 FOR PIPING IN GRANULAR ACTIVATED CARBON (GAC) CONTACTOR
3. COORDINATE WITH TANK INSTALLATION FOR CONNECTIONS TO 2 M.G. CLEAR WELL
4. ALL 16 INCH PUMPING PIPING AND FITTINGS TO BE CLASS 52 MECHANICAL JOINT DUCTILE IRON
5. ALL 6 16" PUMP DISCHARGE LINES SHALL BE INSTALLED THROUGH THE CLEARWELL WALL. A TOTAL OF 4 PUMPS WILL BE INSTALLED AT THIS TIME. THE TWO REMAINING PUMP DISCHARGE LINES SHALL BE FITTED WITH BLIND FLANGES.



**ROANOKE COUNTY  
 WATER TREATMENT  
 FACILITY**



**FILTERED WATER LINE PROFILE**

DESIGN ENGINEER  
 CLIFFORD D. CRAIG

COMMISSION NUMBER  
 1913

RCUD NUMBER  
 WTF-1

DATE  
 13 SEPT. 1994

**T13**