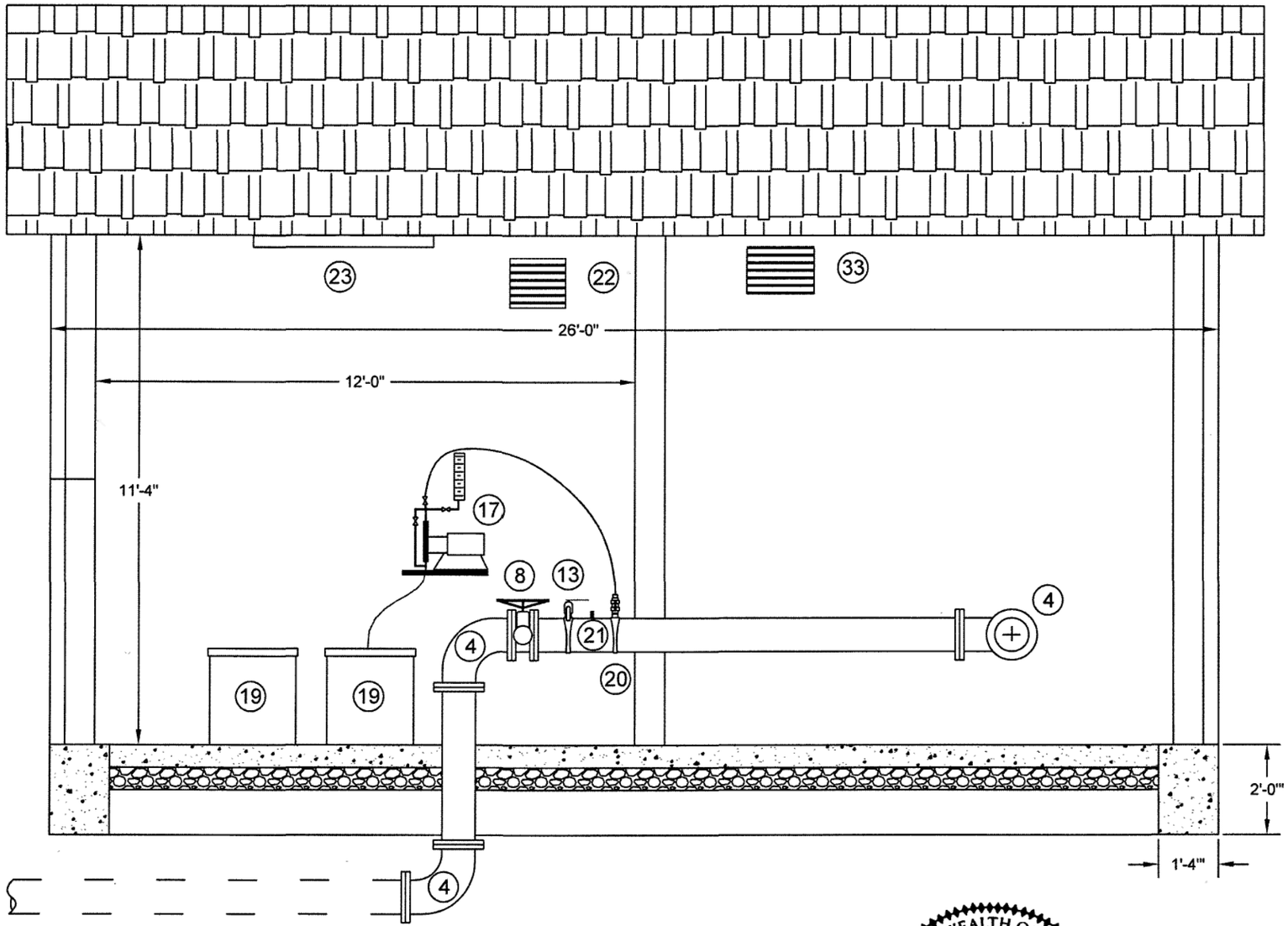
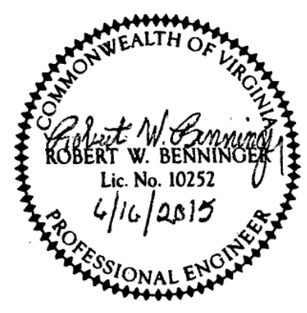


EQUIPMENT & FITTING LEGEND

1. Flanged Ductile Iron Tee - 12"x8"x12"
2. Flanged Ductile Iron Long Radius 90° Bend - 12"
3. Flanged Ductile Iron Tee - 8"x6"x8"
4. Flanged Ductile Iron Long Radius 90° Bend - 8"
5. Flanged Ductile Iron Reducer - 8"x6"
6. Flanged Ductile Iron Reducer - 8"x4"
7. Flanged Ductile Iron Reducer - 6"x4"
8. Flanged Butterfly Valve - 8"
9. Flanged Butterfly Valve - 6"
10. ValMatic "Silent" Check Valve - 6"
11. Grundfos Model CRE 90-2-1 Pump (30-HP, 375 GPM @ 210 Feet TDH)
12. 2-Ton Crane Rail & Hoist System
13. ⅜ " Ball Valve w/ Sample Tap w/ Vacuum Breaker
14. 3-½" Discharge Line Pressure Gauge (0-100 PSI)
15. 3-½" Suction Line Compund Gauge & Low Pressure Switch (30" Hg & 0-100 PSI)
16. Sensus AccuMAG Water Meter - 6"
17. Hypochlorite Solution Metering Pump (Not Shown in Plan View)
18. Metering Pump Calibration Chamber
19. Hypochlorite Solution Barrel - 30 Gallons
20. Hypochlorite Solution Injection Point
21. Inline "Fail Safe" Flow Switch
22. Chlorine Room Exhaust Fan (1,000 CFM)
23. Ceiling Mounted Fluorescent Light - 4' Long (2 Tube)
24. SCADA Interface Enclosure
25. Phase Monitor
26. 200 AMP, 480/277 Volt, 3 Phase Distribution Panel
27. 480/240 Volt Transformer
28. 50 AMP, 240 Volt Electrical Service Panel
29. Automatic Transfer Switch
30. 30-HP Motor VFD
31. Electric Meter
32. Wall Space Heater
33. Wall Vent (12"x18")

SECTION C-C
Scale: 3/8" = 1'



REVISED 6/16/2015

BOTETOURT COMMONS
WATER PUMP STATION
MAY 2015
Page 7 of 8