RAINWATER HARVESTING SYSTEM DETAIL

1. Rainwater collection point (roof drains, gutters, etc.)
2. IntellPurin hydraulic jump prefilter (possible 97% collected.)
3. QCS Cistern
4. Smoothing inlet – flow calming device to eliminate turbulence from incoming water
5. Cistern overflow/filter reject – pipe to storm drain or BMP
6. Floating stainless steel suction filter
7. Cistern level sensor 4-20 mA output
8. Transfer pump controlled by day tank level + daily transfer @ 4 a.m.
9. Check valve
10. Auto Self-Cleaning Sediment Filter
11. ATS UV Sterilizer
12. Transfer pump controlled by day tank level + daily transfer @ 4 a.m.
13. Check valve
14. Building pump
15. Nonslam check valve
16. Hydro-accumulator tank
17. Day tank overflow (pipe to storm drain)
18. Control panel fills buffer tank daily, and as required, maintains building pressure.
19. Day tank level sensor 4-20 mA
20. City Water Supply at Design Pressure + 10 psig minimum
21. Approved backflow prevention device
22. Gauge
23. Actuated valve controlled by day tank level
24. Sediment filter backwash to storm drain

For pricing contact 404-991-0404

ABOVE GROUND TANK, END SUCTION TRANSFER PUMP, UV TREATMENT, DAY TANK, END SUCTION BUILDING PUMP WITH HYDRO-ACCUMULATOR, PRV STANDBY CONNECTION

NOT TO SCALE