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| ① Rainwater collection point (roof drains, gutters, etc). | ⑤ Cistern overflow/filter reject – pipe to storm drain | ⑨ Check valve | ⑭ Approved backflow prevention device |
| ② 800 micron hydraulic jump prefilter (Possible 97% collected.) | ⑥ Floating stainless steel suction filter | ⑩ Self-Cleaning Sediment Filter | ⑮ Gauge |
| ③ Cistern | ⑦ Cistern level sensor 4-20 mA output | ⑪ UV Sterilizer | ⑯ Pressure regulator valve set at Design Pressure - 10 psig |
| ④ Smoothing Inlet – flow-calming device to eliminate turbulence from incoming water | ⑧ Building pump | ⑫ Pressure Tank | ⑰ Sediment filter backwash to bmp or storm drain |
| | | ⑬ City Water Supply at Design Pressure + 10 psig minimum | |

RAINWATER HARVESTING SYSTEM DETAIL

ABOVE GROUND TANK, END SUCTION BUILDING PUMP, SELF-CLEANING SEDIMENT FILTER, PRV STANDBY CONNECTION

NOT TO SCALE