

The background is a light blue gradient with several realistic water droplets of various sizes scattered across it. The droplets have highlights and shadows, giving them a three-dimensional appearance. The text is centered on the page.

LEAKY CISTERNS

BETTER THAN GOOD,
THEY'RE GREAT!



LARGE SYSTEM (>10, 000 GAL.)
ANYTHING YOU WANT

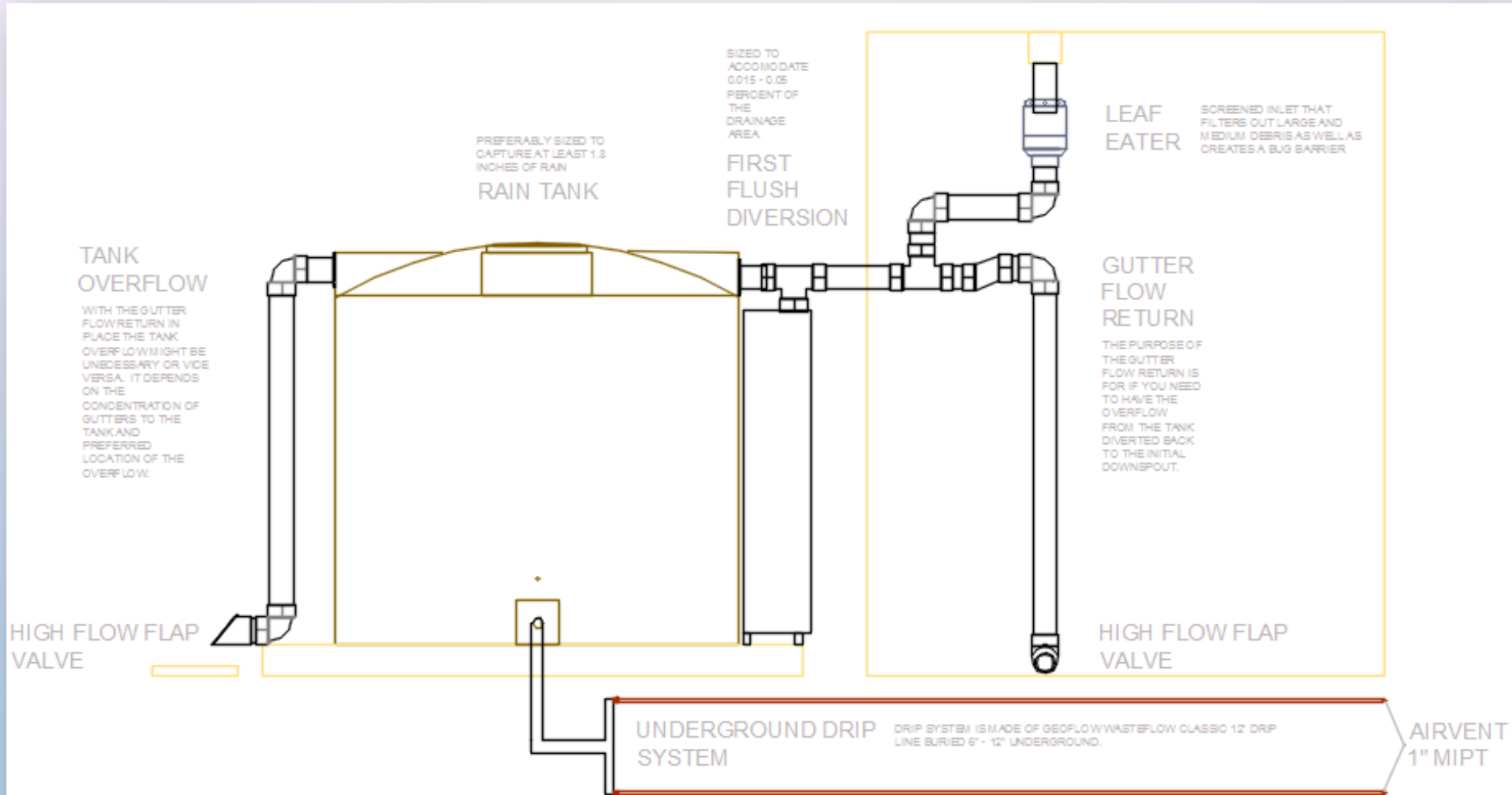
MEDIUM SYSTEM (>1,000 GAL)
PRIME FOR LEAKY CISTERN
WATER A TREE
SUBSIDIZE LANDSCAPE/VEGETABLE GARDEN WATERING
KEEP SOIL AROUND SLAB MOIST

SMALL SYSTEM (<500 GAL.)
WATER A PLANT
TOP OFF A SMALL WATER FEATURE

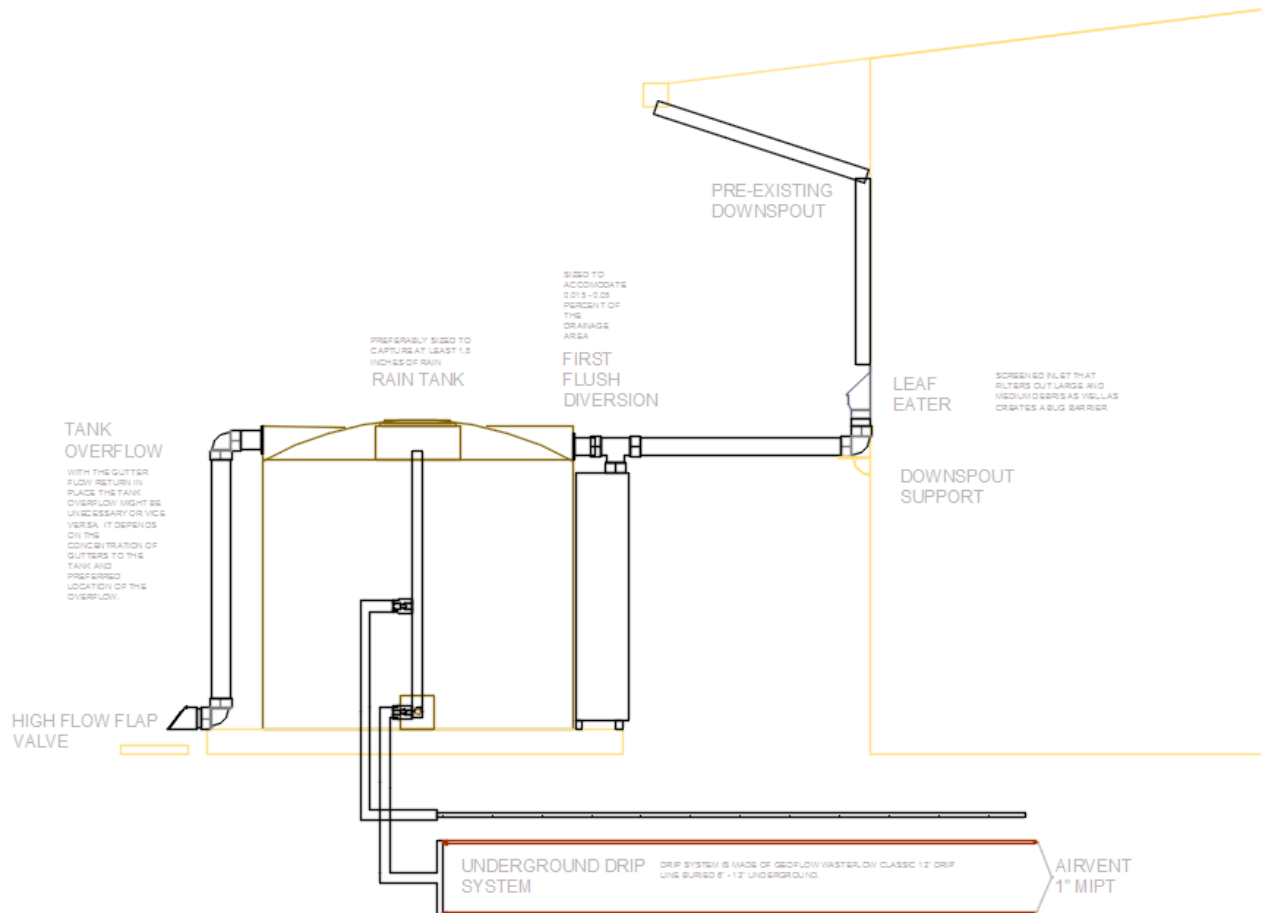


General System Layout

- Gutter
- Pre-tank filter
- First flush diversion
- Rain tank
- Outlet manifold
- Tank overflow



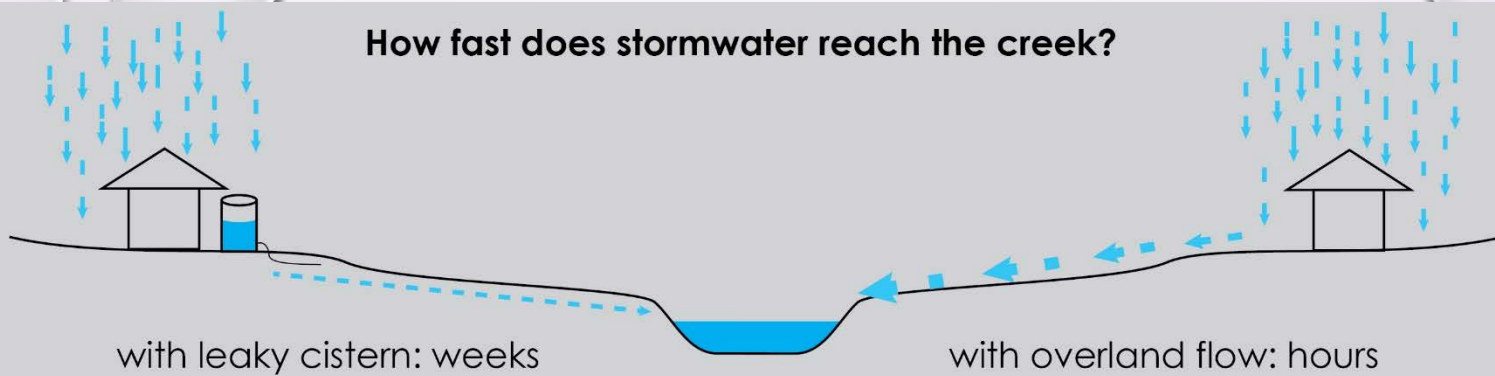
CONCURRENT BI-SPEED DRAWDOWN



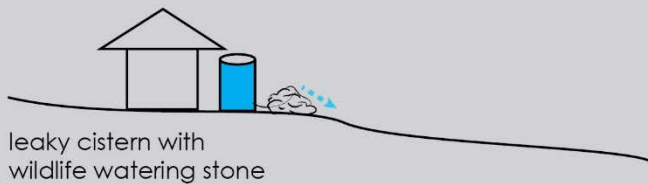
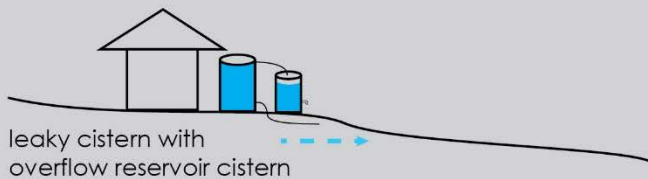
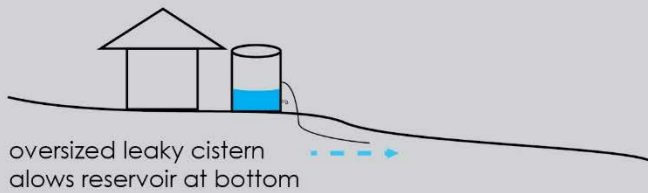
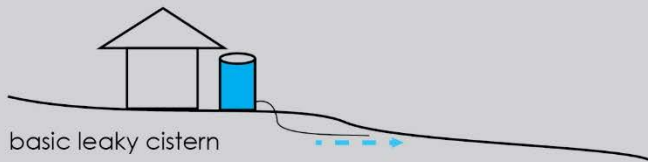
WHAT IS A LEAKY CISTERN

- A CISTERN THAT DRAINS AUTOMATICALLY
- DESIGNED TO DRAW DOWN ALL OR A PORTION OF THE STORAGE CAPACITY IMMEDIATELY FOLLOWING RAIN EVENT
- CAN BE PASSIVE OR AUTOMATED
- DONE THROUGH UNDERGROUND INFILTRATION SYSTEM OR SLOW SURFACE RELEASE
- SIZE AND METHOD BASED ON ROOF AREA AND SOIL INFILTRATION RATES

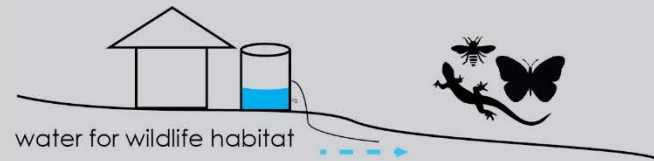
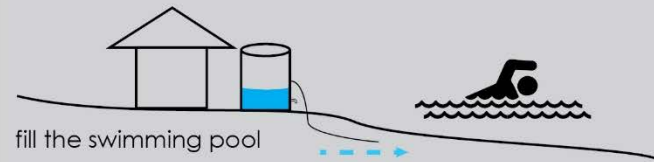
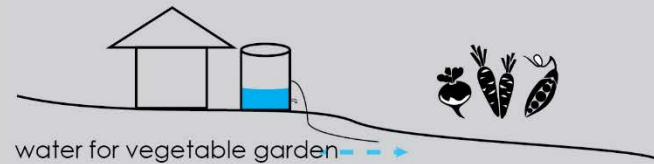
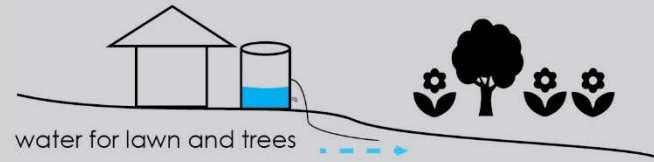
How fast does stormwater reach the creek?

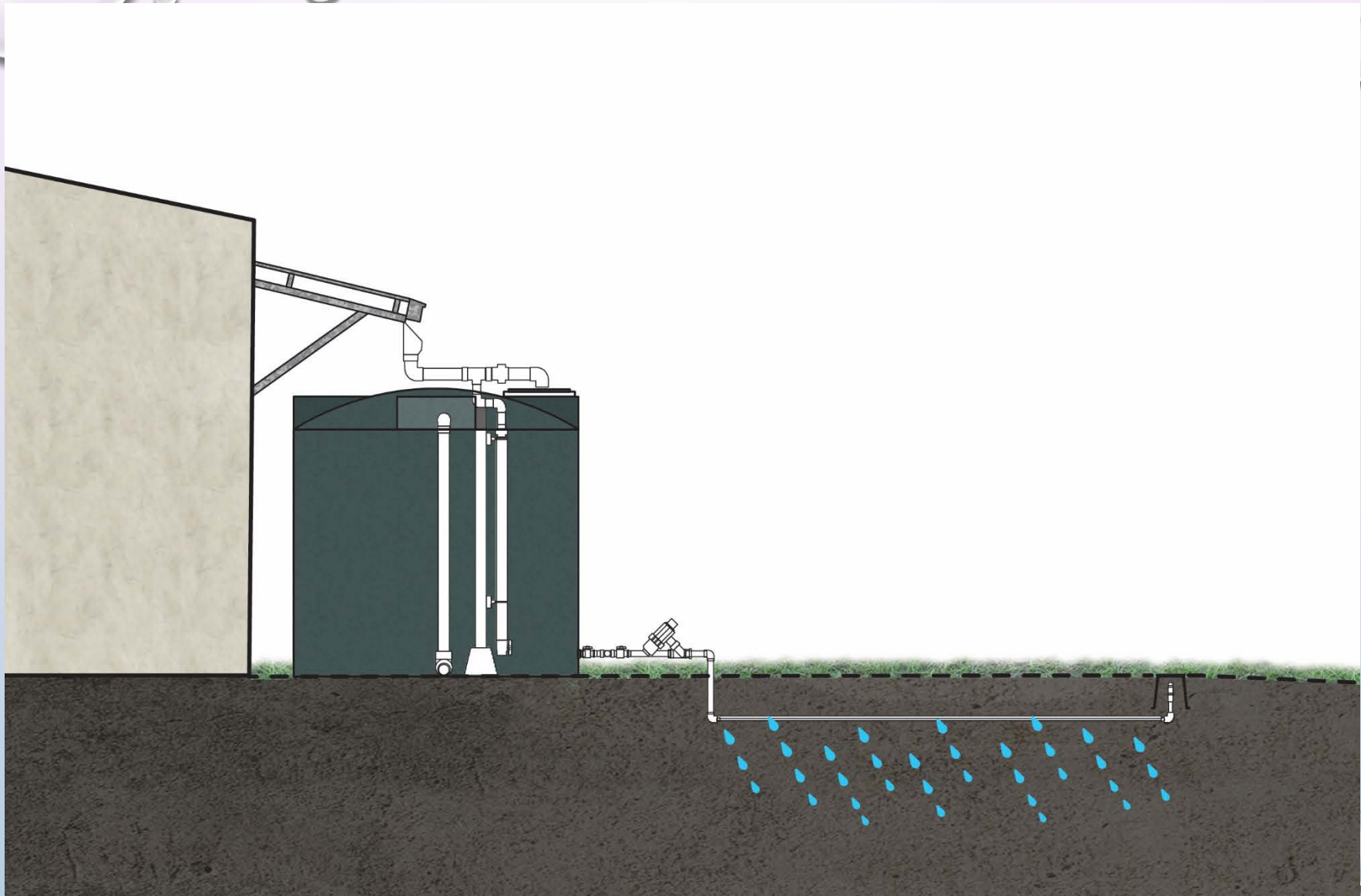


Leaky Cistern Types

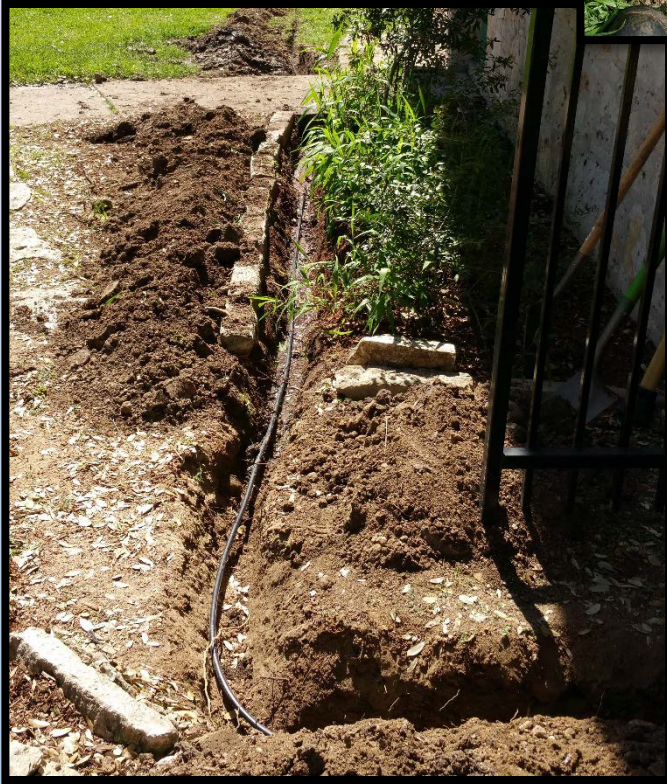


Leaky Cistern Uses









COMMUNITY BENEFITS OF LEAKY SYSTEMS

- REDUCED RUNOFF INTO CREEKS WHICH REDUCES EROSIVE FLOWS
- HIGHER WATER TABLE TO SUPPORT HEALTHY VEGETATION EVEN DURING DROUGHT
- INCREASED BASEFLOW IN STREAMS
- REDUCED STRESS ON AGING STORMWATER INFRASTRUCTURE = LESS TAXES TO FIX

INDIVIDUAL'S BENEFITS OF LEAKY SYSTEMS

- REDUCED NEED FOR DEEP ROOT WATERING
- REDUCTION IN DRAINAGE UTILITY FEE
- LOWER WATER COSTS
- HIGHER QUALITY WATER FOR LANDSCAPING AND VEGETABLE GARDENS
- INCREASED SELF SUFFICIENCY

REBATES

- THE REBATES OFFER \$.50 PER GALLON OF STORAGE FOR PASSIVE SYSTEMS AND \$1 PER GALLON FOR PRESSURIZED SYSTEMS. MAXIMUM OF \$5000 REBATE.
- IN GENERAL AWU WANTS THE PROPERTY OWNER TO BE THE ONE THAT FILLS OUT THE REBATE FORM BECAUSE THEY WANT THEM TO BUY INTO THE WHOLE PROCESS AND BY TAKING THE TIME TO FILL AND FILE THE REBATE ACKNOWLEDGES SOME LEVEL OF KNOWLEDGE FOR THE RAIN HARVESTING EFFORT.
- YOU CAN HELP THEM GET STARTED AND FOR SOME SYSTEMS PRE-APPROVAL AND POST INSPECTIONS ARE NECESSARY WHICH MEANS IT WOULD BEHOOVE YOU TO GET THE BALL ROLLING. ROLL THE TIME IT TAKES INTO THE LABOR OF THE SYSTEM AND YOU CAN SHOW THEM THE REDUCTION OF THE COST BY INCORPORATING THE REBATE.
- YOU CAN GIVE THEM THE SITE DRAWING, SYSTEM DRAWING, AND OPERATION & MAINTENANCE GUIDE.
- DRAINAGE UTILITY FEE DISCOUNT

RESOURCES

- THE TEXAS MANUAL ON RAINWATER HARVESTING
[HTTP://WWW.TWDB.TEXAS.GOV/PUBLICATIONS/BROCHURES/CONSERVATION/DOC/RAINWATERHARVESTINGMANUAL_3RD EDITION.PDF](http://www.twdb.texas.gov/publications/brochures/conservation/doc/rainwaterharvestingmanual_3rdedition.pdf)
- AUSTIN WATER UTILITY RAINWATER REBATES \$.50 TO \$1 PER GALLON
[HTTPS://WWW.AUSTINTEXAS.GOV/DEPARTMENT/RAINWATER-HARVESTING-REBATES](https://www.austintexas.gov/department/rainwater-harvesting-rebates)
- WPD RAINSCAPE REBATES [HTTPS://WWW.AUSTINTEXAS.GOV/DEPARTMENT/WATERWISE-RAINSCAPE-REBATE](https://www.austintexas.gov/department/waterwise-rainscape-rebate)
- RAINWATER CALCULATIONS FOR DEVELOPMENT PERMITS, COA ENVIRONMENTAL CRITERIA MANUAL APPENDIX R-7
- COA RAINWATER HARVESTING GUIDELINES, COA ENVIRONMENTAL CRITERIA MANUAL 1.6.7.D
- CALCULATE SOIL INFILTRATION/PERCOLATION RATE, COA ECM 1.6.7.4.D OR
[HTTPS://WWW.AUSTINTEXAS.GOV/SITES/DEFAULT/FILES/FILES/WATERSHED/GROWGREEN/RAINGARDEN_FACTSHEET.PDF](https://www.austintexas.gov/sites/default/files/files/watershed/growgreen/raingarden_factsheet.pdf)
- RAIN GARDEN INFORMATION AND METHODS
[HTTPS://WWW.AUSTINTEXAS.GOV/SITES/DEFAULT/FILES/FILES/WATERSHED/GROWGREEN/RAINGARDEN_FACTSHEET.PDF](https://www.austintexas.gov/sites/default/files/files/watershed/growgreen/raingarden_factsheet.pdf)
- RAIN HARVESTING MAINTENANCE, COA ECM 1.6.3.C.7







P-269
85pf

