



MANAGING STORMWATER AROUND THE HOUSE

Conservation design seeks to minimize the generation of runoff by decreasing impervious areas and encouraging the protection of open spaces.

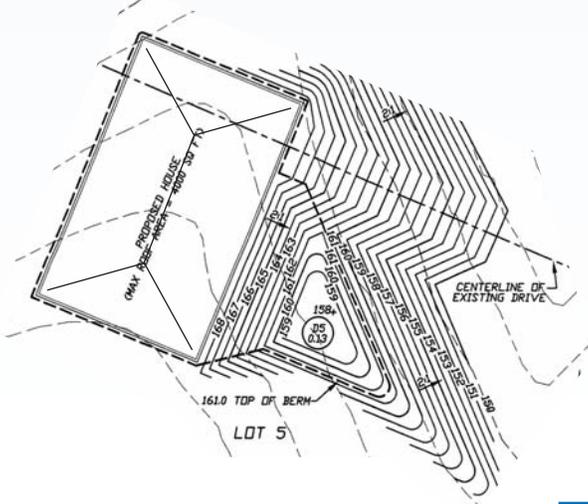


Added impervious area from roof tops and driveways drain water from the watershed. Before your home and driveway was constructed, rainfall and snow melt soaked into the ground and contributed to recharge.



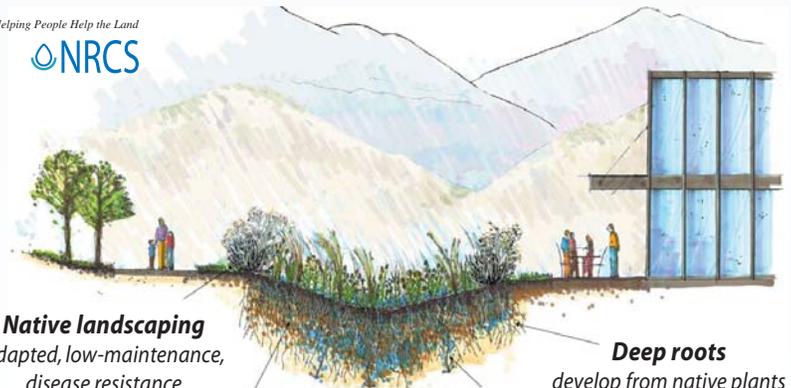
Filtration practices treat runoff by routing it through vegetation as a filter to reduce flow velocity, settle solids and capture pollutants.

Begin at the planning stage by considering conservation design and low-impact landscaping .



Vegetated Swale

Helping People Help the Land



Native landscaping
adapted, low-maintenance,
disease resistance

Soil amending
compost and sand added to
soil facilitate infiltration

Infiltration
through bioswales helps
remove pollutants and
recharge groundwater

Deep roots
develop from native plants
which increases organic
matter content that
holds water like
a sponge

Please contact Clear Creek County staff at (303-679-2421) to discuss stormwater runoff reduction practices applicable to residential development.

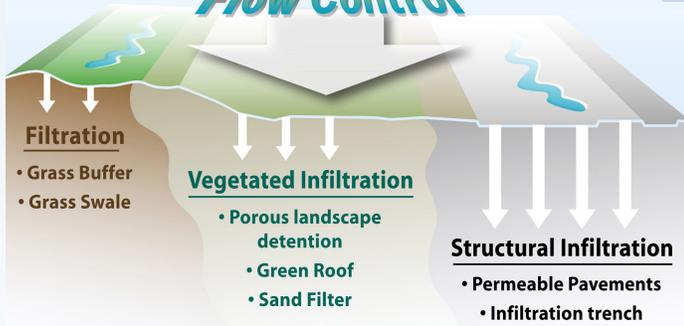


The County has adopted a revegetation policy and recommended seed mix to help control soil erosion, sedimentation and slope stability.

Infiltration practices are engineered structures and landscape features designed to capture and infiltrate stormwater runoff, thereby reducing runoff.

Infiltration Effectiveness

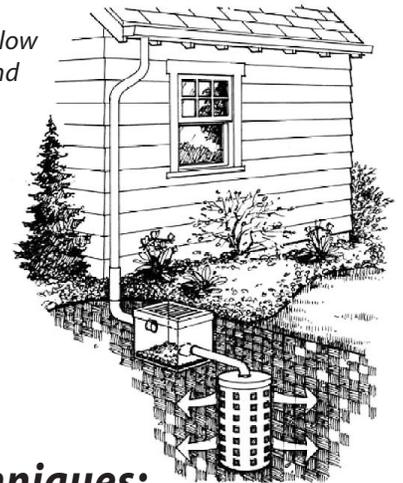
Flow Control



Roof runoff infiltration system



Roof runoff - Install gravel trenches, pits or swales to allow water to soak into the ground near roof down spots.



Infiltration Techniques:

- Reduce access road and parking imperviousness
- Rooftop downspout disconnection
- Infiltration basins/trenches
- Bioretention



Pervious or porous pavement systems allow runoff to infiltrate through a permeable layer of pavement or other stabilized permeable materials to prevent run-off of driveways and parking lots.