

# Partnering with Communities to IMPLEMENT LOW MAINTENANCE STREAMS

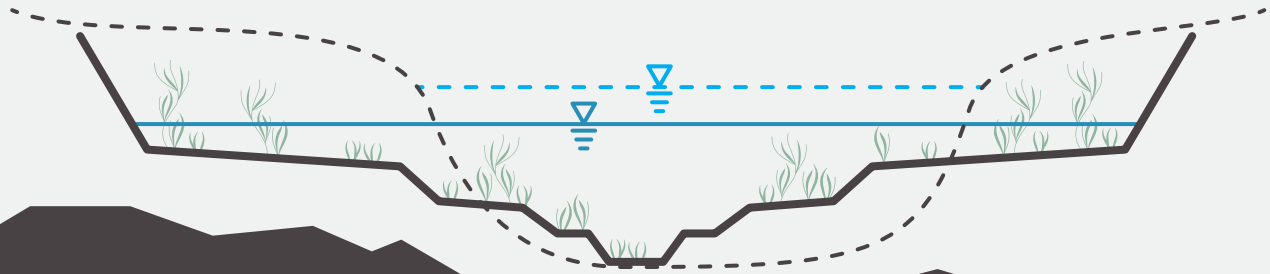
## Through the UDFCD Maintenance Eligibility Program



UDFCD encourages stream improvements that increase public safety and reduce long-term maintenance and replacement costs to our taxpayers. **Meet with UDFCD early (prior to platting) to help successfully guide development through the MEP process.**

**Low Maintenance Streams** provide vital stream functions, including floodwater storage, groundwater recharge, water quality enhancement, and habitat for plants and animals. Stream corridors also provide great opportunities for passive recreation.

Shallower overbank depth = lower velocity and shear stress >>> Energy focused in active channel >>> Smaller structures and less armoring >>> Less costly to build and maintain

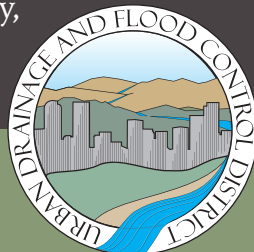


### HOW CAN UDFCD HELP?

- Reduce time and effort with clear technical guidance and review requirements.
- Help local governments plan spaces for stormwater quality and quantity infrastructure to reduce capital and long-term maintenance costs.
- Work with developers to reorganize dedicated open space to achieve multipurpose benefits, creating a win-win business model.
- Explore alternative delivery models to streamline the process for development, like fee-in-lieu or the Development Services Enterprise.

### WHEN DOES THIS APPLY?

- All development can help lessen stream impacts by utilizing runoff reducing techniques.
- Any development adjacent to or near a major drainageway may be a good opportunity for low maintenance stream design. Most major drainageways are identified on UDFCD's online mapping at [udfcd.org/mapping](http://udfcd.org/mapping).
- Major drainageways may be identified if any of the following apply:
  - Tributary area of 130 acres or more
  - Mapped floodplain
  - Contain UDFCD Master Plan improvements
- Stream improvements may be necessary, even if the master plan does not show improvements.



BIOLOGY

PHYSIOCHEMICAL

GEOMORPHOLOGY

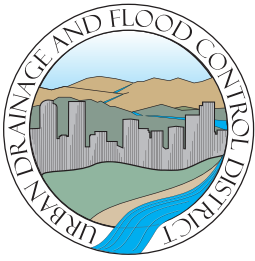
HYDRAULICS

HYDROLOGY



PROTECTING PEOPLE, PROPERTY  
AND THE ENVIRONMENT

SCHEDULE AN INITIAL MEETING  
303-455-6277



# STREAM FUNCTIONS PYRAMID

## A Guide for Assessing and Restoring Stream Functions

Source: Will Harman, *Stream Mechanics*

