

Commonly Used Abbreviations

ASCE === American Society of Civil Engineers

ASTM === American Society for Testing and Materials

BCD === Baffle chute drop

BFE === Base flood elevation

BMP === Best management practice

CDOT === Colorado Department of Transportation

CDPHE === Colorado Department of Public Health and Environment

CGIA === Colorado Governmental Immunity Act

CMP === Corrugated metal pipe

CRS === Colorado Revised Statutes

CUHP === Colorado Urban Hydrograph Procedure

CWA === Clean Water Act

CWCB === Colorado Water Conservation Board

DCIA === Directly connected impervious area

DRCOG === Denver Regional Council of Governments

EGL === Energy grade line

EPA U.S. === Environmental Protection Agency

FAA === Federal Aviation Administration

FEMA === Federal Emergency Management Agency

FHAD === Flood Hazard Area Delineation

FHWA === Federal Highway Administration

FIRM === Flood Insurance Rate Map

FIS === Flood Insurance Study

FPE === Flood protection elevation

GSB === Grouted sloping boulder

HGL === Hydraulic grade line

**HUD U.S. === Department of Housing and Urban
Development**

H:V === Horizontal to vertical ratio of a slope

ICC === Increased cost of compliance

LID === Low impact development

MDCIA === Minimized directly connected impervious area

NAVD === North American Vertical Datum

NFIA === National Flood Insurance Act

NFIP === National Flood Insurance Program

NGVD === National Geodetic Vertical Datum

**NOAA === National Oceanic and Atmospheric
Administration**

NPDES === National Pollutant Discharge Elimination System

NRCS === Natural Resources Conservation Service

PMP === Probable maximum precipitation

RCP === Reinforced concrete pipe

SBA === Small Business Administration

SEO === Colorado State Engineer's Office

SFHA === Special Flood Hazard Area

SFIP === Standard Flood Insurance Policy

SWMM === Stormwater Management Model

TABOR === Taxpayers Bill of Rights

TWE === Tailwater elevation

UDSWM === Urban Drainage Stormwater Management Model

USACE U.S. == Army Corps of Engineers

USGS U.S. === Geological Survey

WEF Water === Environment Federation

VHB === Vertical hard basin

WQCV === Water quality capture volume

Commonly Used Units

cfs === cubic feet per second

cfs/ft ===cubic feet per second per foot

ft === foot

ft² === square feet

ft/ft === foot per foot

ft/sec ===feet per second

ft/sec² ===feet per second squared

hr === hour

in === inch

in/hr === inches per hour

in/hr/ac === inches per hour per acre

lbs === pounds

lbs/cy === pounds per cubic yard

lbs/ft² === pounds per square foot

lbs/ft³ === pounds per cubic foot

lbs === PLS/acre pounds pure live seed per acre

min === minute

psi === pounds per square inch

psf === pounds per square foot

gfd ===== gallon per day per square foot

gpm ===== gallon per min.

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