

# **MSD DESIGN MANUAL**

## **ABBREVIATIONS/ACRONYMS**

A	Wave Velocity
AABC	Associated Air Balance Council
AASHTO	American Association of State Highway Transportation Officials
AC	Alternating Current
ALT	Alternate
ANSI	American National Standards Institute
ARC	Antecedent Runoff Condition
ASHRAE	American Society of Heating, Refrigerating and Air Conditioning Engineers
ASTM	American Society Testing Materials
AWWA	American Water Works Association
BEP	Best Efficiency Point
BM	Benchmark
BSMT	Basement
BUD	Before you Dig
CBM	Certified Ballast Manufacturers Association
CBOD	Carbonaceous Biochemical Oxygen Demand
CFM	Cubic Feet per Minute
CFS	Cubic Feet per Second
CIP	Cast Iron Pipe
CMP	Corrugated Metal Pipe
CN	Curve Number
CSI	Construction Specification Institute
D	Pipe Diameter
dB	Decibels
DB	Dry Bulb
DBH	Diameter at Breast Height
DC	Direct Current
DET	Detention
dk	Fluid Bulk Modulus
DND	Do Not Disturb
DNR	Do Not Remove
DOW	Kentucky Division of Water
DR	Dimension Ratio
E	Modulus of Elasticity
ENG	Engineer
F	Fahrenheit
FGCC	Federal Geodetic Control Committee
FM	Factory Mutual or Force Main
FPS	Feet per Second
FRP	Fiberglass Reinforced Plastic
G	Acceleration Due to Gravity

## **MSD DESIGN MANUAL (CONTINUED)**

### **ABBREVIATIONS/ACRONYMS**

GPD	Gallons per Day
GPM	Gallons per Minute
GVW	Gross Vehicle Weight
H <sub>2</sub> S	Hydrogen Sulfide
H <sub>F</sub>	Friction Loss
H <sub>S</sub>	Static Lift
HVAC	Heating, Ventilation and Air Conditioning
ICES	Insulated Cable Engineers Association
ID	Identification or Inside Diameter
IEEE	Institute of Electrical and Electronic Engineers
IES	Illumination Engineering Society of North America
in	Inches
ISA	Instrument Society of America
JIC	Joint Industry Council
KBC	Kentucky Building Code
KPDES	Kentucky Pollutant Discharge Elimination System
KTC	Kentucky Transportation Cabinet
KW	Kilowatt
KYOSHA	Kentucky Occupational Safety and Health Administration
L	Length of Pipe
LE	Lateral Extension
LEL	Lower Explosion Limit
LG&E	Louisville Gas & Electric
LOJIC	Louisville/Jefferson County Information Consortium
LPI	Lightning Protection Institute
LWC	Louisville Water Company
MCC	Motor Control Center
mg/L	Milligrams per Liter
MGD	Million Gallons per Day
MH	Manhole
MSD	Louisville and Jefferson County Metropolitan Sewer District
n	Roughness Coefficient (Manning)
NEBB	National Environmental Balancing Bureau
NEC	National Electrical Code
NEMA	National Electrical Manufacturers Association
NESC	National Electrical Safety Code
NFPA	National Fire Protection Association
NH <sub>3</sub> -N	Ammonia Nitrogen
NLE	Non MSD Lateral Extension
NO.	Number
NOAA	National Oceanic Atmosphere Association
O <sub>2</sub>	Oxygen

## **MSD DESIGN MANUAL (CONTINUED)**

### **ABBREVIATIONS/ACRONYMS**

OD	Outside Diameter
OSHA	Occupational Safety and Health Administration
P	Total System Pressure
PC	Point of Curvature
PI	Point of Intersection
PL	Plan
PLE	Private Lateral Extension
POB	Point of Beginning
POT	Point of Tangency
PRO	Profile
PS	Pump Station
PVC	Polyvinyl Chloride
Q	Flow Rate
RAS	Return Activated Sludge
RCP	Reinforced Concrete Pipe
RET	Retention
RPM	Revolutions per Minute
RR	Railroad
R/W	Right-of-way
S	Peak Hoop Stress
SCB	South Central Bell
SCFM	Standard Cubic Feet per Minute
SCS	Soil Conservation Service
SI	Systems International
SMACNA	Sheet Metal and Air Conditioning Contractor's National Association, Inc.
SWDMP	Stormwater Drainage Master Plan
T	Wall Thickness
TDH	Total Dynamic Head
THW	Moisture and Heat Resistant Thermoplastic Wire
TSS	Total Suspended Solids
UL	Underwriters' Laboratories
USGS	United States Geological Survey
UV	Ultraviolet
V	Volume, Volts or Velocity
VCP	Vitrified Clay Pipe
WB	Wet Bulb
WLA	Waste Load Allocation
WWTP	Wastewater Treatment Plant