Abbreviation	Meaning
MG	1000 Gallons
Kip	1000 Pounds
AM	12:00 Midnight Until 11:59 Noon
PM	12:00 Noon Until 11:59 Midnight
Abd.	Abandoned
Accel.	Acceleration
AC, Ac.	Acre
ABS	Acrylonitrite–Butadiene–Styrene Pipe
Act.	Actuated
Adh.	Adhesive
Adj.	Adjust
SF	Adjustment Factor In Percent, Silt Fence
Agg.	Aggregate
Ah.	Ahead
Alt.	Alternate
Al.	Aluminum
AASHTO	American Association Of State Highway And Transportation Officials
AASHO	American Association Of State Highway Officials
AAA	American Automobile Association
ACI	American Concrete Institute
AISC	American Institute Of Steel Construction
ANSI	American National Standards Institute
ARTBA	American Road & Transportation Builders Association
ASTM	American Society For Testing And Materials
AWS	American Welding Society
AWG	American Wire Gauge
ADA	Americans With Disabilities Act, The
AADT	Annual Average Daily Traffic
AOS	Apparent Opening Size
Appl.	Applied, Application
Apprh.	Approach
APL	Approved Products List
Approx.	Approximate
A	Area or Amperes
Artf.	Artificial
Asph.	Asphalt
ABC	Asphalt Base Course
ATPB	Asphalt Treated Permeable Base
AC or Asph. Conc.	Asphaltic Concrete
Assem.	Assembly
Assoc.	Associate, Association
Assn.	Association
Attn.	Attention
Attnuatr.	Attenuator
AFAD	Automated Flagger Assistance Device
Aux. or Auxil.	Auxiliary
Ave.	Avenue
ADT	Average Daily Traffic
Az	Azimuth
Bk.	Back
B/C, B.C.	Back Of Curb
B to B	Back to Back
BW	Barbed Wire, Bottom Width or Both Ways
Basc.	Bascule
BCWE	Base Clearance Water Elevation
BL, BLC, or ℄	Base Line, Base Line Control
BO	Basin Outlet
Brg.	Bearing
Bq.	Becquerel
Beg.	Begin
BLON	Begin Length Of Need
BOS	Beginning Of Survey

Abbreviation	Meaning
BM	Bench Mark
Bit.	Bituminous
BCPCMP	Bituminous Coated And Paved Corrugated Metal Pipe Culvert
BCPPA	Bituminous Coated And Paved Pipe Arch Culvert
BCCMP	Bituminous Coated Corrugated Metal Pipe Culvert
BCPA	Bituminous Coated Pipe Arch Culvert
Bd. or Bnd.	Bond or Bonded
Bdr.	Border
BP	Borrow Pit
BC	Bottle Cap or Bolt Circle
Bot.	Bottom
Blvd.	Boulevard
Bndry.	Boundary
Brkwy.	Breakaway
BCT	Breakaway Cable Terminal
Br.	Bridge
Bldg.	Building
Blkhd.	Bulkhead
BE	Buried Electric
BT	Buried Telephone Cable or Duct
Btfly.	Butterfly
CATV	Cable Television
cd	Candela
Ctlvr.	Cantilever
C	Cantilever Length, Cut, Colorless, Coulomb or Cycle Length
Cap.	Capacity
Caps.	Capital Letters
CIPL, C.I.P., C–I–P	Cast In Place
CI	Cast Iron
CIP	Cast Iron Pipe
CB	Catch Basin
°C	Celsius (degree)
Cem.	Cement or Cemetery
CTPB	Cement Treated Permeable Base
Cem'd.	Cemented
Ctr., Ctrs.	Center
CL, C/L or ℄	Center Line
CCEW	Center to Center Each Way
CC, C/C, C to C, or C.C.	Center to Center, Crash Cushion
Chg.	Changeable
Ch.	Channel
Chchg.	Channel Change
Ckt.	Circuit
circ.	Circumference
CRA	Clear Recovery Area
CT	Clear Trunk
Cl. or Clear	Clearance
CCTV	Closed–Circuit Television
CA	Coarse Aggregate
CFR	Code of Federal Regulations
Col.	Column
Com.	Commercial or Common
COMM	Committee or By Committee
Comp.	Composite
Conc.	Concrete
CBC	Concrete Box Culvert
CBS	Concrete Box Structure
CMB	Concrete Median Barrier
CM	Concrete Monument
CP	Concrete Pipe
CPT	Cone Penetration Test
Con.	Connect or Connection
Const.	Construct or Construction
Cont.	Continuation

Abbreviation	Meaning
Contr.	Contractor
CR	Control Radius or County Road
Contrl.	Controller
Coord.	Coordinate
X	Coordinate Value (East–West Direction) or Extra
Y	Coordinate Value (North–South Direction)
CU or Cu	Copper
Cor.	Corner
Corr.	Corrugated
CASP	Corrugated Aluminized Steel Pipe
CAP	Corrugated Aluminum Pipe
CMP	Corrugated Metal Pipe
CMPA	Corrugated Metal Pipe Arch
CPE	Corrugated Polyethylene Pipe
CSP	Corrugated Steel Pipe
CSIP	Cost Savings Initiative Proposal
Co.	County or Company
Crs. or Cse.	Course
CD	Cross Drain, Cross Direction (Geotextiles)
X Rd.	Cross Road
Xsec.	Cross Section
Xing.	Crossing
CFS	Cubic Feet Per Second
CY,Cu. Yd., CY, or C.Y.	Cubic Yard
Culv.	Culvert
C & G	Curb And Gutter
CS	Curve To Spiral
Cyl.	Cylindrical
Decel.	Deceleration
Deg.	Degree
DCS	Degree Of Curvature (Spiral)
D	Degree Of Curvature, Depth, Density, Distance, Diameter or Directional Distribution
Delin.	Delineators
Demobl.	Demobilization
Dept.	Department
DOT	Department Of Transportation
DGN or Dgn.	Design
DFE	Design Flood Elevation
DHW	Design High Water
K	Design Hour Factor
DHV	Design Hourly Volume
DR	Design Review
DSL	Design Service Life
DS	Design Speed
Det.	Detour, Detection, Detectable
D, Dia. or Ø	Diameter
DBH	Diameter At Breast Height
Dim.	Dimension
DDHV	Directional Design Hour Traffic
Disp.	Disposal
Dist.	Distance
DLS	District Location Surveyor
DTOE	District Traffic Operations Engineer
DT	Ditch
DBI	Ditch Bottom Inlet
DPI or D.P.I.	Ditch Point Intersection
DMM	Domestic Mail Manual
Dbl.	Double
Dr. or DR.	Drain, Drive or Design Review
DA	Drainage Area or Deflection Angle
Dwg.	Drawing
Driv.	Driven

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Abbreviation	Meaning
Drwy.	Driveway
DI	Drop Inlet
DD	Dry Density
EA or Ea.	Each
Esmt.	Easement
E	East or External Distance
EB	Eastbound
E.P. or EOP	Edge Of Pavement
Elast.	Elastomeric
Elec.	Electric
EIA	Electronic Industries Alliance
ETP	Electronic Tough Pitch
El. or Elev.	Elevation
Ellip.	Elliptical
Embk.	Embankment
Emul.	Emulsified
Encl.	Enclosure
EOS	End Of Survey or Equivalent Opening Size
E to E	End to End
EW	Endwall
Engr.	Engineer
Eq.	Equation or Equal
Equip.	Equipment
Est.	Establish or Established
Est. or Estm.	Estimate
Etc. or etc.	Et Cetera (And So Forth)
EPDM	Ethylene Propylene Diene Monomer
Exc. or Excav.	Excavation
Ex.	Except, Example
Exist.	Existing
Exp.	Expansion
Exwy.	Expressway
Ext.	Extension
I	External Angle (Delta), Interstate
F to F	Face to Face
Fed.	Federal
FA	Federal Aid or Fine Aggregate
FAP	Federal Aid Project
FHWA	Federal Highway Administration
FPM or fpm	Feet Per Minute
FPS or fps	Feet Per Second
Fert.	Fertilizer
FOC	Fiber Optics Cable
Fig.	Figure
F	Fill, Farad
F or Final	Final Quantity
Fin.	Finish
FH	Fire Hydrant
FES	Flared End Section
FETS	Flared End Terminal Section
Flex.	Flexible
FTB	Floating Turbidity Barrier
FE	Floor Elevation
FL, Fl. or Fla.	Florida
FAC	Florida Administrative Code
FDOT	Florida Department Of Transportation
F.S.	Florida Statutes
FTP	Florida Traffic Plans
FTBA	Florida Transportation Builder Association
F.L., FL or $\mathit{\mathfrak{L}}$	Flow Line
Ft.	Foot or Feet
Sq. Ft., SF, or S.F.	Foot, Squared
Fdn.	Foundation
FR or Fr.	Frame

Abbreviation	Meaning
Frang.	Frangible
FD	French Drain
Freq.	Frequency
FC	Friction Course
Furn.	Furnish
F & I	Furnish & Install
FNQ	Fuse (Type Slow Burn)
Ga. or Gal.	Gallon
Galv.	Galvanized
GIP	Galvanized Iron Pipe
GRC	Galvanized Rigid Steel Conduit
Gar.	Garage
GM	Gas Main
Ga.	Gauge or Gage
GRI	Geosynthetic Research Institute
G	Giga or Gauss
GP	Grade Point
Gr.	Grade, Guardrail or Grate
g	Gram or Gravity
Gr. or Gro.	Gross
gross km	Gross Kilometer
Gr. Wt. or gr. wt.	Gross Weight
Grd.	Ground
GFI	Ground Fault Interrupter
Gttr.	Gutter
GD	Gutter Drain
HOA	Hand/Off/Automatic
Hndrl	Handrail
HB	Hay Bales
HD or Hd.	Head
Hdwl.	Headwall
HH	Heavy Hex
ha	Hectare
h	Hecto
Ht.	Height
H	Henry
Hz	Hertz
HD	High Density or Heavy Duty
HDPE	High Density Polyethylene
HOT	High Occupancy Tolls
HOV	High Occupancy Vehicle
HP	High Pressure or Horsepower
HS	High Strength
HSHV	High Strength Horizontal Vertical
HW or H.W.	High Water or Hot Water
Hwy.	Highway
HAR	Highway Advisory Radio
Horiz. or Hor.	Horizontal
HC	Horizontal Clearance
Hr.	Hour
Hse.	House
Cwt.	Hundredweight
Hyd.	Hydraulic
IES	Illuminating Engineering Society
in.	Inch(s)
sq. in.	Inch, Squared
Incl. or Inc.	Included
Inc.	Incorporated or Including
Ind.	Industry or Industrial
ID, I.D.	Inside Diameter or Identification
Install.	Installed
ITE	Institute Of Transportation Engineers
THW or THWN	Insulation (Flame Retardant, Moisture And Heat Resistant Thermoplastic)
RHW	Insulation (Moisture & Heat Resistant Rubber)

Abbreviation	Meaning
ITS	Intelligent Transportation Systems
Intchg. or Ichg.	Interchange
IMC	Intermediate Metal Conduit
Isect.	Intersection
INV. or Inv.	Invert
IP	Iron Pipe
IR	Iron Rod
Isl.	Island
Jt.	Joint
J	Joule
Jct.	Junction
JB	Junction Box
K	Kelvin
k	Kilo (prefix)
kg	Kilogram
kg/m³	Kilogram Per Cubic Meter
kg/m	Kilogram Per Meter
kg/m²	Kilogram Per Square Meter
km	Kilometer
km/h	Kilometer Per Hour
kN	Kilonewton
kPa	Kilopascal
kV	Kilovolt
kVA	Kilovolt Ampere
kWh	Kilowatt-hour
ksi	Kips Per Square Inch
kn	Knot
Lat.	Lateral or Latitude
LEO	Law Enforcement With Flashing Lights And Radar
Lt.	Left
LT	Left Turn
Lgth.	Length
LS	Length Of Spiral
TSC	Length Of Tangent (Spiral Curve)
L	Length, Length Of Curve, Liter, Left
Ltd.	Lighted or Limited
L/W	Lightweight
Lmrk.	Lime rock
LBR	Lime rock Bearing Ratio
LOS	Limit Of Clear Sight
LA or L/A	Limited Access
Lin.	Linear
LFD	Load Factor Design
LRFD	Load Resistance Factor Design
Loc., LO	Location
LC	Long Chord
Long.	Longitude
lm	Lumen
Lum.	Luminaire
lx	Lux
Mach.	Machine
MD	Machine Direction (Geotextiles)
Maint.	Maintenance
MOT	Maintenance Of Traffic
MOTC	Maintenance Of Traffic Committee
MH, M.H.	Manhole or Mounting Height
MASH	Manual for Assessing Safety Hardware (AASHTO)
MUTCD	Manual On Uniform Traffic Control Device
MUTS	Manual On Uniform Traffic Studies
Mfg.	Manufactured or Manufacturer
M	Mass, Middle Ordinate Length or Mega
Matl.	Material
Max.	Maximum
MHW	Mean High Water

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Abbreviation	Meaning
MLW	Mean Low Water
MSL	Mean Sea Level
pH	Measure Of Acidity or Alkalinity
Med.	Median
MB	Median Barrier
MPa	Megapascal
Memb.	Member
Mess.	Message
m^3	Meter Cubed or Cubic Meter
m^3/m	Meter Cubed Per Meter
m	Meter or Milli
m^2	Meter Square
m/s	Meters Per Second
t	Metric Ton
µ	Micro
Mid.	Middle
Mi.	Mile
MP	Mile Post
MPH or mph	Miles Per Hour
Mil.	Military
mL	Milliliter
mm	Millimeter
Min.	Minimum or Minute
MSTCSD	Minimum Specifications For Traffic Control Signal Devices
Misc.	Miscellaneous
MES	Mitered End Section
Mobl.	Mobilization
Mod.	Modify or Modified
Mol	Mole
Mon.	Monument
MAS	Motorist Awareness System
Mtd.	Mounted
N & C	Nail & Cap
N & D	Nail & Disk
NHS	National Highway System
NAVD	National American Vertical Datum
NC	National Coarse or Normal Crown
NCHRP	National Cooperative Highway Research Program
NEMA	National Electrical Manufacturers Association
NGS	National Geodetic Survey
NGVD	National Geodetic Vertical Datum of 1929
NPT	National Pipe Thread
NDCBU	Neighborhood Delivery And Collection Box Unit
net km	Net Kilometer
NJ	New Jersey
Nm	Newton Meter
N/m^3	Newtons Per Cubic Meter
N/m	Newtons Per Meter
N/m^2	Newtons Per Square Meter
N/mm^2	Newtons Per Square Millimeter
Nom.	Nominal
NPS	Nominal Pipe Size
N.P.	Non Plastic
NS	Non Stress, Not Suitable or Near Side
NT, N&T	Non Traffic, Nail & Tin
NRCP	Non-Reinforced Concrete Pipe
Norm.	Normal
NHW	Normal High Water
N	North or Newton
NB	Northbound
NE	Northeast
NW	Northwest
NA or N/A	Not Available or Not Applicable
NIC	Not In Contract

Abbreviation	Meaning
NTS	Not To Scale
No.	Number
Ω	Ohm
OC or O.C.	On Center
Mega	One Million
Kilo	One Thousand
Micro	One-Millionth
Milli	One-Thousandth
Mil	One-Thousandth Of An Inch
Opt.	Option, Optional or Optically
O.B.G.	Optional Base Group
Oz.	Ounce
O to O, o to o or O.O.	Out to Out
OD or O.D.	Outside Diameter
OA	Overall
OH, OHD or Ohd.	Overhead
OE	Overhead Electric
OT	Overhead Telephone
Opass	Overpass
Pr.	Pair
Par.	Parallel
Pkg.	Parking
Pkwy.	Parkway
Part.	Participation or Partition
Pa	Pascal
Pa•s	Pascal Second
P	Passenger Car & Light Delivery Truck
Pavt.	Pavement
Q	Peak Discharge or Flow Volume
Ped	Pedestrian or Pedestal
Pen.	Penetration
PCE	Permanent Construction Easement
PRM	Permanent Reference Monument
Ph.	Phase
PPB	Pier Protection Barrier
P or Plan	Plan Quantity
PS & E	Plans, Specifications And Estimates
PCC	Point Of Compound Curvature or Plain Cement Concrete
PC	Point Of Curvature
PI	Point Of Intersection
PRC	Point Of Reverse Curvature
PT	Point Of Tangency or Pressure Treated
POC	Point On Curve
POST	Point On Semi-Tangent
POT	Point On Tangent
PVC	Polyvinyl Chloride
PCMS	Portable Changeable Message Sign
PRS	Portable Regulatory Sign
Lb.	Pound(s)
PSF or psf	Pounds Per Square Foot
PSI or psi	Pounds Per Square Inch
lb/sy	Pounds Per Square Yard
PP	Power Pole
Prcst.	Precast
PCBC	Precast Concrete Box Culvert
PW	Pressure Water
Prest.	Prestressed
Prob.	Probability
Prod.	Product, Production, Producer or Produced
PE	Professional Engineer
PG	Profile Grade
PGL	Profile Grade Line
Prog.	Program or Progression
Proj.	Project or Projection

Abbreviation	Meaning
PL or ÿþ□!	Property Line or Plate
Prop.	Proposed
Prov.	Provisions
QPL	Qualified Products List
RU	Rack Unit
RSDU	Radar Speed Display Unit
rad	Radian
rad/s	Radian Per Second
R or Rad.	Radius
RR	Railroad
RPM	Raised Reflective Pavement Markers
R or Rng.	Range
RX	Receive
Rec.	Recovery
Ref.	Reference
RM	Reference Monument
RP	Reference Point
Refl.	Reflective
Reg.	Region, Regular, Registered or Regulation
RCP	Reinforced Concrete Pipe
RCPA	Reinforced Concrete Pipe Arch
Reinf.	Reinforced or Reinforcing
Rejuv.	Rejuvenation
Reloc.	Relocated
Rem.	Removal
Repl.	Replace
Req. or Reqd.	Required
Res.	Residence or Residential
Rsf.	Resurface
Rect.	Reticuline or Rectangular
RC	Reverse Crown
rpm or r/min	Revolution Per Minute
r/s	Revolution Per Second
R, Rt.	Right
R/W, ROW	Right Of Way
RGS	Rigid Galvanized Steel
Rd.	Road or Round
Rdsd.	Roadside
Rdwy.	Roadway
RBAC	Rock Base Asphaltic Concrete
RBST	Rock Base Surface Treatment
SBRM	Sand Bituminous Road Mix
SAHM	Sand-Asphalt Hot Mix
SCST	Sand-Clay Surface Treatment
SAN or San.	Sanitary
SS	Sanitary Sewer
Sch.	Schedule
SC	Seal Coat
SHW	Seasonal High Water
Sec.	Second
Sect.	Section
Sed.	Sediment
WB40	Semi Trailer, Intermediate
WB62	Semi Trailer, Interstate
WB50	Semi Trailer, Large
WB67D	Semi Trailer, Tandem
Sep.	Separator
Seq.	Sequential
Serv.	Service
Sh. or Sht.	Sheet
SBAC	Shell Base Asphaltic Concrete
SBST	Shell Base Surface Treatment
Shldr.	Shoulder
SD	Side Drain, Storm Drain

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Abbreviation	Meaning
SW or Swk.	Sidewalk
Sv	Sievert
SU	Single Unit Trucks
SSMD	Solid State Modular Design
SB	Southbound
SE	Southeast
SW	Southwest
Spa., Spcg. or Sp.	Space(ing)
SG	Specific Gravity
Spec.	Specification
SLEO	Speed and Law Enforcement Officer
S or s	Speed, South, Siemens, Or Second
SRASP	Spiral Rib Aluminized Steel Pipe
SRAP	Spiral Rib Aluminum Pipe
SRSP	Spiral Rib Steel Pipe
SC	Spiral To Curve
Stab.	Stability or Stabilization
STB	Staked Turbidity Barrier
Std.	Standard
SPT	Standard Penetration Test
SR or S.R.	State Road
SRD	State Road Department
Sta.	Station
SIP	Stay In Place
Stl.	Steel
SRCP	Steel Reinforced Concrete Pipe
Stge.	Storage
Sty.	Story
St. or ST.	Street
Stg.	Strong
Str.	Structure
SG, Subgr.	Subgrade
Sub. or Subs.	Subsoil
Sub. or Subst.	Substitute
e	Superelevation rate
SP	Superpave
Suppts.	Supports
Surf.	Surface
ST	Surface Treatment or Spiral To Tangent
SUR or Sur.	Survey
Sym.	Symmetrical
Sys. or Syst.	System
tan.	Tangent
TC	Tangent To Curve
TS	Tangent To Spiral
T	Tangent, Length Of Curve, Percent Trucks, Tesla
L	Taper Length, Buffer Length or Taper Length plus Buffer Space
Tel.	Telephone
Temp.	Temperature or Temporary
TBM	Temporary Bench Mark
TCB	Temporary Concrete Barrier
TCE	Temporary Construction Easement
TTC	Temporary Traffic Control
TCP	Terra Cotta Pipe
Theo.	Theoretical
THRMPLSTC	Thermoplastic
Tk or Thick.	Thickness
MBM	Thousand (Feet) Board Measure
Tn.	Ton
T, TWP or Twp.	Township
Traf.	Traffic
TCP	Traffic Control Plan(s)
TCZ	Traffic Control Zone

Abbreviation	Meaning
TVSS	Transient Voltage Surge Suppression
Trans.	Transition, Transverse, Translate or Transportation
TX	Transmit
TDLC	Transportation Design For Livable Communities
Treat.	Treatment
Tk	Truck
TMA	Truck/Trailer Mounted Attenuator
2-L	Two-Lane
2L1W	Two-Lane One-Way
2L2W	Two-Lane Two-Way
Typ.	Typical
Ult.	Ultimate
UV	Ultraviolet
Undrdwy.	Under roadway
Unddr.	Underdrains
UG	Underground
Upass.	Underpass
UL	Underwriters Laboratories
UPS	Uninterruptible Power Supply
USPS	United States Postal Service
Ultd.	Unlimited
UNL or Undl.	Unloaded
Untr.	Untreated
USC & GS	US Coast and Geodetic Survey (now National Geodetic Survey)
USGS	US Geological Survey
Util.	Utilities
VW	Variable Width
Var.	Varies, Variable or Variance
Veh.	Vehicle
VPD or Vpd.	Vehicles Per Day
VPH or Vph.	Vehicles Per Hour
VPHPL or Vphpl.	Vehicles Per Hour Per Lane
Vh	Verified Horizontal Location
Vv	Verified Vertical Elevation
Vvh	Verified Vertical Elevation And Horizontal Location
Vert.	Vertical
VC	Vertical Curve
VF	Vertical Foot
VP	Vertical Panel
VCP	Vitrified Clay Pipe
V	Volt, Velocity, Volume or Hourly Volume
VRMS	Volts Root Mean Square
Vol.	Volume
WM	Water Main
WT	Water Table Or Weight
W/C	Water-Cement Ratio
Wb.	Weber
WWF	Welded Wire Fabric
WWR	Welded Wire Reinforcing
WB	Westbound
W	Width, Wide, West or Watt
W.P.I.	Work Program Item
Yd.	Yard
Sq. Yd., SY or S.Y.	Yard, Squared
Yr.	Year

The abbreviations listed are the standard for contract plans production. This list is not all inclusive. Other Department accepted abbreviations may be used when deemed more appropriate. Where special abbreviations are used a descriptive tabulation may be necessary in the plans.

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