

AB	ANCHOR BOLT	EXP	EXPANSION	PP	POWER POLE
ABAN	ABANDON OR ABANDONED	EXT	EXTERIOR	POT	POINT ON TANGENT
ABUT	ABUTMENT	FR	FRAME	PRV	PRESSURE REDUCING VALVE
ABV	ABOVE	FD	FLOOR DRAIN	PSI	POUNDS PER SQUARE INCH
ACT	ACOUSTICAL	FDN	FOUNDATION	PT	POINT OF TANGENT
ADD	ADDITIONAL	FES	FLARED END SECTION	PVC	POLYVINYL CHLORIDE
ADJ	ADJACENT	FF	FINISH FLOOR	PVI	POINT OF VERTICAL INTERSECTION
AFF	ABOVE FINISH FLOOR	FFE	FINISHED FLOOR ELEVATION	PVMT	PAVEMENT
AGGR	AGGREGATE	FH	FIRE HYDRANT	PVT	PRIVATE
ALUM	ALUMINUM	FIG	FIGURE	R	RADIUS, RISER
ALT	ALTERNATE	FIN	FINISH	RAS	RETURN ACTIVATED SLUDGE
ANC	ANCHOR	FIXT	FIXTURE	RR	RAIL ROAD
APPROX	APPROXIMATE	FL	FLOOR	RCP	REINFORCED CONCRETE PIPE
ARCH	ARCHITECTURAL	FLEX	FLEXIBLE	RD	ROOF DRAIN, ROAD
AWWA	AMERICAN WATER WORKS ASSOCIATION	FLG	FLANGE	RDCR	REDUCER
AVG	AVERAGE	FT	FOOT	RECPT	RECEPTACLE
B.E.	BASEMENT ELEVATION	FTG	FOOTING	RECT	RECTANGULAR
BH	BORE HOLE	FW	FINISHED WATER	REINF	REINFORCE, REINFORCEMENT
BIT	BITUMINOUS	GAL	GALLON	REF	REFERENCE
BJ	BELL JOINT	GALV	GALVANIZED	REQD	REQUIRED
BL	BASE LINE	GAR	GARAGE	REV	REVISION
BEG	BEGIN OR BEGINNING	GND	GROUND	RTE	ROUTE
BLDG	BUILDING	GR	GRAVEL	RT	RIGHT
BLKG	BLOCKING	GOVT	GOVERNMENT	RW	RAW WATER
BM	BENCH MARK, BEAM	GPM	GALLONS PER MINUTE	R/W	RIGHT OF WAY
BOTT	BOTTOM	GRTG	GRATING	S	SANITARY SEWER, SOUTH, SWITCH
BP	BYPASS	GV	GAS VALVE	SAN	SANITARY
BRG	BEARING	GW	GRAY WATER	SCH	SCHEDULE
BSMT	BASEMENT	H	HOT	SD	STORM DRAIN
BV	BUTTERFLY VALVE	HB	HOSE BIBB	SECT	SECTION
C	CHANNEL, COLD	HCH	HYPOCHLORITE	SER	SERVICE
C/C, C TO C	CENTER TO CENTER	HK	HOOK	SH	SHEET
CAB	CABINET	HM	HOLLOW METAL	SHTG	SHEETING
CAP	CAPACITY	HOR, HORIZ	HORIZONTAL	SIM	SIMILAR
CF	CUBIC FEET	HP	HORSE POWER	SPEC	SPECIFICATION
CG	CHANGE OF GRADE	HPT	HIGH POINT	SP	SIGNAL POLE
C & G, CC&G	CURB AND GUTTER , CONCRETE	HYD	HYDRANT	SQ	SQUARE
CI	CAST IRON	ID	INSIDE DIAMETER	SS	STAINLESS STEEL
CIRC	CIRCULAR	IN	INCH	ST	STREET
CKT	CIRCUIT	INSUL	INSULATION	STA	STATION
CL	CENTER LINE	INV	INVERT	STD	STANDARD
CLR	CLEAR	IP	IRON PIN	STL	STEEL
CONST	CONSTRUCTION	JT	JOINT	STRUCT	STRUCTURAL
COR	CORNER	JB	JUNCTION BOX	STY	STORY
CMP	CORRUGATED METAL PIPE	L	LENGTH, LONG	SUR	SURVEY
CMU	CONCRETE MASONRY UNITS	LF	LINEAL FOOT	SURF	SURFACE
CND	CONDUIT	LG	LONG	S/W	SIDEWALK
CO	CLEAN OUT	LP	LIGHT POLE	SYMM	SYMMETRICAL
COMB	COMBINATION	LR	LONG RADIUS	T	TREAD, TOP
CONC	CONCRETE	LT	LEFT	T & B	TOP AND BOTTOM
CONN	CONNECT, CONNECTION	LTG	LIGHTING	TDC	TURNED DOWN CURB
CONT	CONTINUOUS, CONTROL	MACH	MACHINERY	TELE	TELEPHONE
CONTR	CONTRACTOR	MAS	MASONRY	TEMP	TEMPORARY
CP	COORDINATE POINT	MATL	MATERIAL	THK	THICK
CR STONE	CRUSHED STONE	MAX	MAXIMUM	TP	TELEPHONE POLE
C.S.E.	CRAWL SPACE ELEVATION	MB	MAILBOX	TRTD	TREATED
CSW	CONCRETE SIDEWALK	MECH	MECHANICAL	TS	TOP OF SLAB
CTR	CENTER	MFR	MANUFACTURER	TV	TELEVISION
CULV	CULVERT	MH	MANHOLE, MOUNTING HEIGHT	TW	TOP OF WALL
CY	CUBIC YARD	MIN	MINIMUM	TYP	TYPICAL
D	DEPTH OR DEGREE OF CURVE	MISC	MISCELLANEOUS	UG	UNDERGROUND
DEPT	DEPARTMENT	MJ	MECHANICAL JOINT	UON	UNLESS OTHERWISE NOTED
DF	DRINKING FOUNTAIN	MO	MASONRY OPENING	U.S.C & G.S	UNITED STATES COAST AND GEODETIC SURVEY
DI	DROP INLET, DUCTILE IRON	MON	MONUMENT	USGS	UNITED STATES GEOLOGICAL SURVEY
DIA	DIAMETER	MTD	MOUNTED	V, VAL	VALVE
DIM	DIMENSION	MTG	MOUNTING	VAP BAR	VAPOR BARRIER
DISC	DISCONNECT	MTL	METAL	VC	VERTICAL CURVE
DMH	DROP MANHOLE	MV	MUD VALVE	VERT	VERTICAL
DN	DOWN	N & C	NAIL AND CAP	VOL	VOLUME
DR	DRIVE	NCO	NONCONNECTING CLEAN OUT	VDOT	VIRGINIA DEPARTMENT OF TRANSPORTATION
DS	DOWN SPOUT	NIC	NOT IN CONTRACT	V.S.D.	VERTICAL SIGHT DISTANCE
DTL	DETAIL	NO	NUMBER	W.B.L.	WEST BOUND LANE
DW,D/W	DRIVEWAY	NTS	NOT TO SCALE	W	WIDE FLANGE, WIDE
DWL	DWELLING	OC	ON CENTERS	W/	WITH
DWG	DRAWING	OD	OUTSIDE DIAMETER	WD	WOOD
E	EAST	OPER	OPERATOR	WL	WATER LINE
EA	EACH	OPNG	OPENING	W/O	WITHOUT
E.B.L.	EASTBOUND LANE	OPP	OPPOSITE	WS	WATER SURFACE
EF	EACH FACE	PB	PAPER BOX	WT	WATERTIGHT, WEIGHT
EJ	EXPANSION JOINT	PC	POINT OF CURVE	WVDH	WEST VIRGINIA DEPARTMENT OF HIGHWAYS
EL, ELEV	ELEVATION	PCC	POINT OF COMPOUND	WWF	WELDED WIRE FABRIC
ELEC	ELECTRICAL	PE	PLAIN END PIPE		
ENGR	ENGINEER	PER	PERIMETER		
ENTR	ENTRANCE	PERF	PERFORATED		
EOL	END OF LINE	PERP	PERPENDICULAR		
EP	EDGE OF PAVEMENT	PI	POINT OF INTERSECTION		
EQ	EQUAL	PIV	POST INDICATOR VALVE		
EQPT	EQUIPMENT	PL	PLATE, PROPERTY LINE		
EW	EACH WAY, ENDWALL	PLYWD	PLYWOOD		
EXIST	EXISTING	POL	POINT ON LINE		

PP	POWER POLE	EXP	EXPANSION
POT	POINT ON TANGENT	EXT	EXTERIOR
PRV	PRESSURE REDUCING VALVE	FR	FRAME
PSI	POUNDS PER SQUARE INCH	FD	FLOOR DRAIN
PT	POINT OF TANGENT	FDN	FOUNDATION
PVC	POLYVINYL CHLORIDE	FES	FLARED END SECTION
PVI	POINT OF VERTICAL INTERSECTION	FF	FINISH FLOOR
PVMT	PAVEMENT	FFE	FINISHED FLOOR ELEVATION
PVT	PRIVATE	FH	FIRE HYDRANT
R	RADIUS, RISER	FIG	FIGURE
RAS	RETURN ACTIVATED SLUDGE	FIN	FINISH
RR	RAIL ROAD	FIXT	FIXTURE
RCP	REINFORCED CONCRETE PIPE	FL	FLOOR
RD	ROOF DRAIN, ROAD	FLEX	FLEXIBLE
RDCR	REDUCER	FLG	FLANGE
RECPT	RECEPTACLE	FT	FOOT
RECT	RECTANGULAR	FTG	FOOTING
REINF	REINFORCE, REINFORCEMENT	FW	FINISHED WATER
REF	REFERENCE	GAL	GALLON
REQD	REQUIRED	GALV	GALVANIZED
REV	REVISION	GAR	GARAGE
RTE	ROUTE	GND	GROUND
RT	RIGHT	GR	GRAVEL
RW	RAW WATER	GOVT	GOVERNMENT
R/W	RIGHT OF WAY	GPM	GALLONS PER MINUTE
S	SANITARY SEWER, SOUTH, SWITCH	GRTG	GRATING
SAN	SANITARY	GV	GAS VALVE
SCH	SCHEDULE	GW	GRAY WATER
SD	STORM DRAIN	H	HOT
SECT	SECTION	HB	HOSE BIBB
SER	SERVICE	HCH	HYPOCHLORITE
SH	SHEET	HK	HOOK
SHTG	SHEETING	HM	HOLLOW METAL
SIM	SIMILAR	HOR, HORIZ	HORIZONTAL
SPEC	SPECIFICATION	HP	HORSE POWER
SP	SIGNAL POLE	HPT	HIGH POINT
SQ	SQUARE	HYD	HYDRANT
SS	STAINLESS STEEL	ID	INSIDE DIAMETER
ST	STREET	IN	INCH
STA	STATION	INSUL	INSULATION
STD	STANDARD	INV	INVERT
STL	STEEL	IP	IRON PIN
STRUCT	STRUCTURAL	JT	JOINT
STY	STORY	JB	JUNCTION BOX
SUR	SURVEY	L	LENGTH, LONG
SURF	SURFACE	LF	LINEAL FOOT
S/W	SIDEWALK	LG	LONG
SYMM	SYMMETRICAL	LP	LIGHT POLE
T	TREAD, TOP	LR	LONG RADIUS
T & B	TOP AND BOTTOM	LT	LEFT
TDC	TURNED DOWN CURB	LTG	LIGHTING
TELE	TELEPHONE	MACH	MACHINERY
TEMP	TEMPORARY	MAS	MASONRY
THK	THICK	MATL	MATERIAL
TP	TELEPHONE POLE	MAX	MAXIMUM
TRTD	TREATED	MB	MAILBOX
TS	TOP OF SLAB	MECH	MECHANICAL
TV	TELEVISION	MFR	MANUFACTURER
TW	TOP OF WALL	MH	MANHOLE, MOUNTING HEIGHT
TYP	TYPICAL	MIN	MINIMUM
UG	UNDERGROUND	MISC	MISCELLANEOUS
UON	UNLESS OTHERWISE NOTED	MJ	MECHANICAL JOINT
U.S.C & G.S	UNITED STATES COAST AND GEODETIC SURVEY	MO	MASONRY OPENING
USGS	UNITED STATES GEOLOGICAL SURVEY	MON	MONUMENT
V, VAL	VALVE	MTD	MOUNTED
VAP BAR	VAPOR BARRIER	MTG	MOUNTING
VC	VERTICAL CURVE	MTL	METAL
VERT	VERTICAL	MV	MUD VALVE
VOL	VOLUME	N & C	NAIL AND CAP
VDOT	VIRGINIA DEPARTMENT OF TRANSPORTATION	NCO	NONCONNECTING CLEAN OUT
V.S.D.	VERTICAL SIGHT DISTANCE	NIC	NOT IN CONTRACT
W.B.L.	WEST BOUND LANE	NO	NUMBER
W	WIDE FLANGE, WIDE	NTS	NOT TO SCALE
W/	WITH	OC	ON CENTERS
WD	WOOD	OD	OUTSIDE DIAMETER
WL	WATER LINE	OPER	OPERATOR
W/O	WITHOUT	OPNG	OPENING
WS	WATER SURFACE	OPP	OPPOSITE
WT	WATERTIGHT, WEIGHT	PB	PAPER BOX
WVDH	WEST VIRGINIA DEPARTMENT OF HIGHWAYS	PC	POINT OF CURVE
WWF	WELDED WIRE FABRIC	PCC	POINT OF COMPOUND

NEW	EXISTING	DESCRIPTION
		BUILDING WITH PORCH OR STOOP
		FOUNDATION ONLY
		CONTOUR, CONTOUR WITH ELEVATION
		SPOT ELEVATION
		CONCRETE CURB
		CONCRETE CURB & GUTTER
		CONCRETE WALK OR SLAB
		EDGE OF PAVEMENT
		UNPAVED OR GRAVEL ROAD
		TREE LINE
		TREE OR SHRUB
		FENCE
		CENTERLINE CREEK, SWALE OR DITCH
		PROPERTY LINE
		BASELINE
		LIMIT OF WORK LINE
		FIELD SURVEY TRAVERSE POINT
		P.C. OR P.T.
		GEOLOGIC BORE HOLE
		STORM DRAIN AND ENDWALL
		SANITARY SEWER
		FORCE MAIN
		GAS MAIN OR SERVICE LINE
		WATER MAIN OR SERVICE LINE
		ELECTRICAL LINE
		UNDERGROUND ELECTRICAL LINE
		PIPE FITTINGS
		FIRE HYDRANT
		GATE VALVE
		WATER VALVE
		CLEANOUT
		MANHOLE
		DROP INLET (CURB AND GRATING TYPES)
		G.M. - GAS METER, W.M. - WATER METER
		TELEPHONE LINE
		UNDERGROUND TELEPHONE LINE
		TELEPHONE POLE, GUY AND ANCHOR
		POWER POLE, GUY AND ANCHOR
		LIGHT POLE
		SIGNAL POLE
		TELEPHONE PEDESTAL
		BURIED TELEPHONE VAULT
		ABANDON OR REMOVE
		PAVED DITCH
		DRIVEWAY CULVERT
		CULVERT WITH FLARED END SECTION
		HUB AND TACK
		COORDINATE POINT

MATERIALS SYMBOLS	EROSION AND SEDIMENT CONTROL SYMBOLS	SEE SHEET 15 FOR E&S CONTROL SYMBOLS