

three inches = one foot
 one and one-half inches = one foot
 one inch = one foot
 three-quarters inch = one foot
 one-half inch = one foot
 three-eighths inch = one foot
 one-quarter inch = one foot
 one-eighth inch = one foot

SITE ABBREVIATIONS

AB	ANCHOR BOLT	D	PENNY (NAIL)	H&CW	HOT AND COLD WATER	PI	POINT OF INTERSECTION	SEP	SEPARATE
ABAN	ABANDON	DA	DRAINAGE AREA	HAZ MAT	HAZARDOUS MATERIALS	PIV	POST INDICATOR VALVE	SF	SQUARE FOOT (FEET)
ABBRV	ABBREVIATION	DAT	DATUM	HB	HOSE BIBB	PK LOT	PARKING LOT	SHLDR	SHOULDER
ABC	AGGREGATE BASE COURSE	DBA	UNIT OF SOUND LEVEL	HCP	HANDICAPPED	PL	PROPERTY LINE	SJ	SCORED JOINT
AC	ASPHALTIC CONCRETE	DBL	DOUBLE	HDPE	HIGH DENSITY POLYETHYLENE	PLAS	PLASTIC	SLV	SLEEVE
ACP	ASPHALTIC CONCRETE PAVING	DEG	DEGREE	HDR	HEADER	PMPSC	PUMP SUCTION	SM	SILTY SAND
ADA	AMERICANS WITH DISABILITIES	DEL	DELETE	HDWL	HEADWALL	PN	PART NUMBER	SMH	STEAM MANHOLE
ADDM	ADDENDUM	DEMO	DEMOLITION	HH	HAND HOLE	PNEU	PNEUMATIC	SMP	SUMP PUMP
AGGR	AGGREGATE	DEPT	DEPARTMENT	HNDRL	HANDRAIL	POLY	POLYETHYLENE (PLASTIC)	SOV	SHUT OFF VALVE
ALNMT	ALIGNMENT	DESCR	DESCRIPTION	HORIZ	HORIZONTAL	PORT	PORTABLE	SP	STANDPIPE
ALT	ALTERNATE	DET	DETAIL	HP	HIGH PRESSURE	POTW	POTABLE WATER	SP EL	SPOT ELEVATION
ALUM	ALUMINUM	DEV	DEVELOPMENT	HT	HEIGHT	POW LN	POWER LINE	SPEC	SPECIFICATION
AMT	AMOUNT	DHW	DOMESTIC HOT WATER	HV	HOSE VALVE	PP	POLYPROPYLENE (PLASTIC)	SPKLR	SPRINKLER
APFD	APPROVED	DI	DROP INLET	HWY	HIGHWAY	PR	PUMPED RETURN	SPLY	SUPPLY
APPROX	APPROXIMATE	DIA	DIAMETER	HYD	HYDRAULIC	PRCST	PRECAST	SPR	SPRINKLER LINE
APPX	APPENDIX	DIAG	DIAGRAM	HYDR	HYDRAULIC	PREFMD	PREFORMED	SQ	SQUARE
ASB	ASBESTOS	DIFF	DIFFERENCE OR DIFFERENTIAL			PRELIM	PRELIMINARY	SQ IN	SQUARE INCH
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	DIM	DIMENSION	IBC	INTERNAL BUILDING CODE	PREP	PREPARATION	SQ YD	SQUARE YARD
ASPH	ASPHALT	DIP	DUCTILE IRON PIPE	ID	INSIDE DIAMETER	PREV	PREVIOUS	SR	STEAM RETURN
ASSY	ASSEMBLY	DIR	DIRECTION	IMH	INLET MANHOLE	PRKG	PARKING	SS	SANITARY SEWER
AVE	AVENUE	DIST	DISTANCE	INCL	INCLUDED	PROJ	PROJECT	ST	STREET
AWG	AMERICAN WIRE GAUGE	DIV	DIVISION	INCR	INCREMENT	PROP	PROPERTY	STRM	STORM WATER
AWWA	AMERICAN WATER WORKS ASSOCIATION	DOC	DOCUMENT	INFO	INFORMATION	PSI	POUNDS PER SQUARE INCH	STA	STATION
		DOM	DOMESTIC	INSTL	INSTALL	PSL	PIPE SLEEVE	STD	STANDARD
B&F	BELL AND FLANGE	DOUG FIR	DOUGLAS FIR	INSTR	INSTRUMENT	PT	POST TENSIONED	STD	STANDARD
B&S	BELL AND SPIGOT	DOZ	DOZEN	INV	INVERT	PT CONC	POST-TENSIONED CONCRETE	STM	STEAM
BAL	BALANCE	DR	DRIVE	INV EL	INVERT ELEVATION	PV	PAVED	SUCT	SUCTION
BC	BACK OF CURB	DS	DOWNSPOUT	IP	IRON PIPE	PV RD	PAVED ROAD	SUPT	SUPPORT
BCV	BUTTERFLY CHECK VALVE	DSBL	DISABLE	IPS	IRON PIPE SIZE	PVC	POLYVINYL CHLORIDE (PLASTIC)	SURF	SURFACE
BDRY	BOUNDARY	DSGN	DESIGN	IPT	IRON PIPE THREADED			SURV	SURVEY
BFP	BACKFLOW PREVENTER	DW	DOMESTIC WATER	IRREG	IRREGULAR	QTR	QUARTER	SW	SIDEWALK
BFV	BUTTERFLY VALVE	DWG	DRAWING	ISO	ISOMETRIC	QTY	QUANTITY	SYM	SYMBOL
BITUM	BITUMINOUS	DWR	DOMESTIC WATER RETURN	ISO	ISOMETRIC	QUAD	QUADRANT		
BKGD	BACKGROUND	DWS	DOMESTIC WATER SUPPLY	L	ANGLE	QUAL	QUALITY	TAN	TANGENT
BL	BASE LINE	E	EAST	LAT	LATITUDE	R	RADIUS	TBM	TEMPORARY BENCHMARK
BLDG	BUILDING	EA	EACH	LF	LINEAR FEET (FOOT)	RAD	RADIAN	TCP	TRAFFIC CONTROL PLAN
BLT	BUILT	EC	EDGE OF CURB	LIN	LINEAR	RC	REINFORCED CONCRETE	TD	TRENCH DRAIN
BLVD	BOULEVARD	EJ	EXPANSION JOINT	LOC	LOCATION	RCB	REINFORCED CONCRETE BOX	TE	TOP ELEVATION
BM	BENCHMARK	EL	ELEVATION	LONG	LONGITUDINAL	RCP	REINFORCED CONCRETE PIPE	TEL	TELEPHONE
BRG	BEARING	ENGR	ENGINEER	LOS	LINE OF SIGHT	RD	ROAD	TEMP	TEMPORARY
BSTR	BOOSTER	ENTR	ENTRANCE	LPT	LOW POINT	RDC	REDUCER	THK	THICKNESS
BV	BALL VALVE	EDS	EDGE OF SLAB	LT	LIGHT	REBAR	REINFORCING STEEL BARS	THRU	THROUGH
BW	BOTH WAYS	EOP	EDGE OF PAVEMENT (PAVING)	LTG	LIGHTING	REP	REPAIR	TMH	TOP OF MANHOLE
BWG	BIRMINGHAM WIRE GAUGE	EPA	ENVIRONMENTAL PROTECTION AGENCY	LP	LIGHT POLE	REPL	REPLACE	TN	TRUE NORTH
		EQ	EQUAL	MAINT	MAINTENANCE	REQ	REQUIRED	TNL	TUNNEL
C TO C	CENTER TO CENTER	EQL SP	EQUALLY SPACED	MATL	MATERIAL	REQD	REQUIRED	TO	TOP OF
CALC	CALCULATE	EQUIP	EQUIPMENT	MATV	MASTER ANTENNA TELEVISION SYSTEM	RESIL	RESILIENT	TO FDN	TOP OF FOUNDATION
CAP	CAPACITY	ERD	EXISTING ROOF DRAIN	MAX	MAXIMUM	RFI	REQUEST FOR INFORMATION	TOB	TOP OF BEAM
CB	CATCH BASIN	ES	EDGE OF SHOULDER	MB	MAIL BOX	RFP	REQUEST FOR PROPOSAL	TOC	TOP OF CONCRETE OR TOP OF CURB
CCTV	CLOSED CIRCUIT TELEVISION	ESMT	EASEMENT	MED	MEDIUM	ROW	RIGHT OF WAY	TOC FTG	TOP OF CONCRETE FOOTING
CCV	CONSTRUCTION DOCUMENTS OR CONTRACT DOCUMENTS	EST	ESTIMATE	MFD	MANUFACTURED	RT	RIGHT	TOC WALL	TOP OF CONCRETE WALL
CFS	CUBIC FEET PER SECOND	EW	EACH WAY	MFG	MANUFACTURING	RV	RELIEF VALVE	TOF	TOP OF FOOTING
CG	CENTER OF GRAVITY	EXCL	EXCLUDE	MGT	MANAGEMENT	RW	ROADWAY	TOP	TOP OF PAVEMENT
CH	CHANNEL	EXIST	EXISTING	MH	MANHOLE	RWL	RAIN WATER LEADER	TOPO	TOPOGRAPHY
CHFR	CHAMFER	EXP	EXPANSION	MIN	MINIMUM	SAMP	SAMPLE	TOS	TOP OF SLAB
CHK	CHECK	EXST GR	EXISTING GRADE	MISC	MISCELLANEOUS	SAN	SANITARY	TP	TELEPHONE POLE
CHKV	CHECK VALVE	EXT	EXTERIOR	ML	MATERIALS LIST	SB	SPLASH BLOCK	TR	TOP OF RIM
CHWR	CHILLED WATER RETURN	EXT GR	EXTERIOR GRADE	MN	MAGNETIC NORTH	SCHED	SCHEDULE	TYP	TYPICAL
CHWS	CHILLED WATER SUPPLY			MOD	MODIFY	SCP	SCUPPER	UFC	UNIFORM FIRE CODE
CI	CAST IRON	F	FIRE LINE	MGN	MONUMENT	SD	STORM DRAIN	UGND	UNDERGROUND
CIP	CAST-IN-PLACE	F METER	FLOWMETER	MTG	MEETING	SDL	SADDLE	UNFIN	UNFINISH
CIR	CIRCLE	F/F	FACE TO FACE	MULT	MULTIPLE	SDMH	STORM DRAIN MANHOLE	UNPV RD	UNPAVED ROAD
CJ	CONTROL JOINT	FACIL	FACILITY	MUNIC	MUNICIPAL	SECT	SECTION	UON	UNLESS OTHERWISE NOTED
CL	CENTER LINE	FFE	FINISH FLOOR ELEVATION	N	NORTH	SEG	SEGMENT	UP	UTILITY POLE
CLASS	CLASSIFICATION	FIH	FIRE HYDRANT	NAT	NATURAL	SEL	SELECT	UTIL	UTILITY
CLL	CONTRACT LIMIT LINE	FIG	FIGURE	NATL	NATIONAL				
CLOS	CLOSURE	FIN	FINISH	NE	NOT EXCEEDING				
CLR	CLEAR	FLG	FLANGE	NIC	NOT IN CONTRACT				
CMP	CORRUGATED METAL PIPE	FLL	FLOW LINE	NO	NUMBER				
CMU	CONCRETE MASONRY UNIT	FLR	FLOOR	NG	NATURAL GAS				
CNCL	CONCEALED	FLRD	FLARED	NOM	NOMINAL				
CND	CONDUIT	FLTR	FILTER	NORM	NORMAL				
CNDS	CONDENSATE	FN	FENCE	NTP	NOTICE TO PROCEED				
CNR	CORNER	FOC	FACE OF CURB	NTS	NOT TO SCALE				
CO	CLEANOUT	FP	FLAGPOLE	OC	ON CENTER				
COL	COLUMN	FPM	FEET PER MINUTE	OFD	OVERFLOW DRAIN				
COMM	COMMUNICATION	FPS	FEET PER SECOND	OPNG	OPENING				
CONC	CONCRETE	FPW	FIRE PROTECTION WATER SUPPLY	OZ	OUNCE				
CONC FLR	CONCRETE FLOOR	FSP	FIRE STANDPIPE	P	PUMP				
COND	CONDITION	FSS	FLOW SENSING SWITCH	PA	PIPE ANCHOR				
CONSTR	CONSTRUCTION	FT	FEET OR FOOT	PAR	PARALLEL				
CONT	CONTINUE	FTG	FOOTING	PAT	PATTERN				
CONTR	CONTRACT OR CONTRACTOR	G	GROUND	PB	PULL BOX				
COORD	COORDINATE	G LN	GAS LINE	PC	POINT OF CURVE				
COR	CONTRACTING OFFICERS REPRESENTATIVE	GAGE	GAGE	PCA	PORTLAND CEMENT ASSOCIATION				
CORR	CORRIDOR	GAL	GALLON	PCC	PRECAST CONCRETE				
COTG	CLEANOUT TO GRADE	GC	GENERAL CONTRACTOR	PCCP	PRECAST CONCRETE PAVEMENT				
COV	COVER OR CUT OFF VALVE	GDR	GRADE CLEANOUT	PCT	PERCENT				
COV PL	COVER PLATE	GEN	GENERATOR	PED	PEDESTAL				
CP	CONCRETE PIPE	GI	GALVANIZED IRON	PEN	PENETRATE				
CPLG	COUPLING	GIP	GALVANIZED IRON PIPE	PERF	PERFORATED				
CPM	CRITICAL PATH METHOD	GL	GROUND LEVEL	PERIM	PERIMETER				
CRCMF	CIRCUMFERENCE	GOVT	GOVERNMENT	PERM	PERMANENT				
CRN	CROWN	GPD	GALLONS PER DAY	PERP	PERPENDICULAR				
GRSI	CONCRETE REINFORCING STEEL	GR BM	GRADE BEAM	PG	PRESSURE GAGE OR PROFILE				
		GT	GREASE TRAP	PH	PHASE				
CRT YD	COURTYARD	GTV	GATE VALVE	PHOTO	PHOTOGRAPH				
CSB	CONCRETE SPLASH BLOCK	GUT	GUTTER	PHWR	PRIMARY HOT WATER RETURN				
CSI	CONSTRUCTION SPECIFICATIONS			PHWS	PRIMARY HOT WATER SUPPLY				

Revisions	Date	Approved: Energy Engineer	Approved: Safety Manager	Approved: Service Chief	Drawing Title C-001 CIVIL ABBREVIATIONS	Project Title INSTALL STORM WATER OVERFLOW	Date 07/27/12
			Approved: Infection Control Officer	Approved: Chief of Staff			Project No. 658-12-107
			Approved: GEMS Coordinator	Approved: Associate Director	Approved: Chief of Engineering Svc.	Building Number 8A	Checked WGJ
				Approved: Medical Center Director	Location		Dwg. 2 Of 9