



SITE ABBREVIATIONS

AB	ANCHOR BOLT
ABAN	ABANDON
ABBRV	ABBREVIATION
ABC	AGGREGATE BASE COURSE
ACP	ASPHALTIC CONCRETE
ADA	AMERICANS WITH DISABILITIES
	ACT
ADDM	ADDENDUM
AGGR	AGGREGATE
ALNMT	ALIGNMENT
ALT	ALTERNATE
ALUM	ALUMINUM
AMT	AMOUNT
APPD	APPROVED
APPROX	APPROXIMATE
APPX	APPENDIX
ASB	ASBESTOS
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASPH	ASPHALT
ASSY	ASSEMBLY
AVE	AVENUE
AWG	AMERICAN WIRE GAUGE
AWWA	AMERICAN WATER WORKS ASSOCIATION
B&F	BELL AND FLANGE
B&S	BELL AND SPIGOT
BAL	BALANCE
BC	BACK OF CURB
BCV	BUTTERFLY CHECK VALVE
BDRY	BOUNDARY
BFP	BACKFLOW PREVENTER
BFV	BUTTERFLY VALVE
BITUM	BITUMINOUS
BKGD	BACKGROUND
BL	BASE LINE
BLDG	BUILDING
BLR	BOILER
BLT	BUILT
BLVD	BOULEVARD
BM	BENCHMARK
BN	BULLNOSE
BRG	BEARING
BSTR	BOOSTER
BV	BALL VALVE
BW	BOTH WAYS
BWG	BIRMINGHAM WIRE GAUGE
C TO C	CENTER TO CENTER
CALC	CALCULATE
CAP	CAPACITY
CB	CATCH BASIN
CCTV	CLOSED CIRCUIT TELEVISION
CD	CONSTRUCTION DOCUMENTS OR CONTRACT DOCUMENTS
CFS	CUBIC FEET PER SECOND
CG	CENTER OF GRAVITY
CH	CHANNEL
CHFR	CHAMFER
CHK	CHECK
CHKV	CHECK VALVE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CI	CAST IRON
CIP	CAST-IN-PLACE
CIR	CIRCLE
CJ	CONTROL JOINT
CL	CENTER LINE
CLASS	CLASSIFICATION
CLL	CONTRACT LIMIT LINE
CLOS	CLOSURE
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CNCL	CONCEALED
CND	CONDUIT
CNDS	CONDENSATE
CNR	CORNER
CNTOR	CONTACTOR
CO	CLEANOUT
COL	COLUMN
COMM	COMMUNICATION
CONC	CONCRETE
CONC FLR	CONCRETE FLOOR
COND	CONDITION
CONF	CONFERENCE
CONSTR	CONSTRUCTION
CONSULT	CONSULTANT
CONT	CONTINUE
CONTR	CONTRACT OR CONTRACTOR
COORD	COORDINATE
COR	CHANGE ORDER REQUEST
CORR	CORRIDOR
COTG	CLEANOUT TO GRADE
COV	COVER OR CUT OFF VALVE

COV PL	COVER PLATE
CP	CONCRETE PIPE
CPLG	COUPLING
CPM	CRITICAL PATH METHOD
CRCMF	CIRCUMFERENCE
CRN	CROWN
CRSI	CONCRETE REINFORCING STEEL INSTITUTE
CRT YD	COURTYARD
CSB	CONCRETE SPLASH BLOCK
CSI	CONSTRUCTION SPECIFICATIONS INSTITUTE
CSL	CAST STEEL
CTR	CENTER
CTRL	CONTROL
CTS	COOLING TOWER SUPPLY
CTV	CABLE TELEVISION
CU	COPPER
CU FT	CUBIC FEET
CU IN	CUBIC INCH
CU YD	CUBIC YARD
CV	CONTROL VALVE
CW	COLD WATER PIPING

D	PENNY (NAIL)
DA	DRAINAGE AREA
DAT	DATUM
DBA	UNIT OF SOUND LEVEL
DBL	DOUBLE
DEG	DEGREE
DEL	DELETE
DEMO	DEMOLITION
DEPT	DEPARTMENT
DESCR	DESCRIPTION
DET	DETAIL
DEV	DEVELOPMENT
DHW	DOMESTIC HOT WATER
DI	DROP INLET
DIA	DIAMETER
DIAG	DIAGRAM
DIFF	DIFFERENCE OR DIFFERENTIAL
DIM	DIMENSION
DIP	DUCTILE IRON PIPE
DIR	DIRECTION
DIST	DISTANCE
DIV	DIVISION
DOC	DOCUMENT
DOM	DOMESTIC
DOUG FIR	DOUGLAS FIR
DOZ	DOZEN
DR	DRIVE
DS	DOWNSPOUT
DSBL	DISABLE
DSGN	DESIGN
DW	DOMESTIC WATER
DWG	DRAWING
DWR	DOMESTIC WATER RETURN
DWS	DOMESTIC WATER SUPPLY

E	EAST
EA	EACH
EC	EDGE OF CURB
EJ	EXPANSION JOINT
EL	ELEVATION
ENGR	ENGINEER
ENTR	ENTRANCE
EOS	EDGE OF SLAB
EOP	EDGE OF PAVEMENT (PAVING)
EPA	ENVIRONMENTAL PROTECTION AGENCY
EPT	EXTERNAL PIPE THREAD
EQ	EQUAL
EQL SP	EQUALLY SPACED
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
ERD	EXISTING ROOF DRAIN
ES	EDGE OF SHOULDER
ESMT	EASEMENT
EST	ESTIMATE
EW	EACH WAY
EXCL	EXCLUDE
EXIST	EXISTING
EXP	EXPANSION
EXST GR	EXISTING GRADE
EXT	EXTERIOR
EXT GR	EXTERIOR GRADE

F	FIRE LINE
F METER	FLOWMETER
F/F	FACE TO FACE
FACIL	FACILITY
FD	FLOOR DRAIN
FFE	FINISH FLOOR ELEVATION
FH	FIRE HYDRANT
FIG	FIGURE
FIL	FILLET
FIN	FINISH
FLG	FLANGE
FLL	FLOW LINE
FLR	FLOOR
FLRD	FLARED
FLTR	FILTER
FN	FENCE
FOC	FACE OF CURB
FP	FLAGPOLE

FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FPW	FIRE PROTECTION WATER SUPPLY
FSP	FIRE STANDPIPE
FSS	FLOW SENSING SWITCH
FT	FEET OR FOOT
FTG	FOOTING
FW	FLOOD WALL

G	GROUND
G LN	GAS LINE
GAE	GAGE
GAL	GALLON
GC	GENERAL CONTRACTOR
GCO	GRADE CLEANOUT
GDR	GUARD RAIL
GEN	GENERATOR
GI	GALVANIZED IRON
GIP	GALVANIZED IRON PIPE
GL	GROUND LEVEL
GOVT	GOVERNMENT
GPD	GALLONS PER DAY
GR BM	GRADE BEAM
GT	GREASE TRAP
GTV	GATE VALVE
GUT	GUTTER

H&CW	HOT AND COLD WATER
HAZ MAT	HAZARDOUS MATERIALS
HB	HOSE BIBB
HCP	HANDICAPPED
HDPE	HIGH DENSITY POLYETHYLENE
HDR	HEADER
HDWL	HEADWALL
HEX	HEXAGON
HH	HAND HOLE
HNDRL	HANDRAIL
HORIZ	HORIZONTAL
HP	HIGH PRESSURE
HT	HEIGHT
HV	HOSE VALVE
HWY	HIGHWAY
HYD	HYDRANT
HYDR	HYDRAULIC

IBC	INTERNAL BUILDING CODE
ID	INSIDE DIAMETER OR INSIDE DIMENSION
IMH	INLET MANHOLE
INCL	INCLUDED
INCR	INCREMENT
INFO	INFORMATION
INSTL	INSTALL
INSTR	INSTRUMENT
INV	INVERT
INV EL	INVERT ELEVATION
IP	IRON PIPE
IPS	IRON PIPE SIZE
IPT	IRON PIPE THREADED
IRREG	IRREGULAR
ISO	ISOMETRIC
ISO	IRRIGATION WATER

KWY	KEYWAY
L	ANGLE
LAT	LATITUDE
LF	LINEAR FEET (FOOT)
LIN	LINEAR
LOC	LOCATION
LONG	LONGITUDINAL
LOS	LINE OF SIGHT
LPT	LOW POINT
LS	LUMP SUM
LT	LIGHT
LTG	LIGHTING
LP	LIGHT POLE

MAINT	MAINTENANCE
MATL	MATERIAL
MATV	MASTER ANTENNA TELEVISION
MAX	MAXIMUM
MB	MAIL BOX
MED	MEDIUM
MEMO	MEMORANDUM
MER	MERIDIAN
MFD	MANUFACTURED
MFG	MANUFACTURING
MGT	MANAGEMENT
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
ML	MATERIALS LIST
MN	MAGNETIC NORTH
MOD	MODIFY
MON	MONUMENT
MTG	MEETING
MULT	MULTIPLE
MUNIC	MUNICIPAL

N	NORTH
NA	NOT APPLICABLE
NAT	NATURAL
NATL	NATIONAL
NE	NOT EXCEEDING
NIC	NOT IN CONTRACT
NO	NUMBER
NG	NATURAL GAS

NOM	NOMINAL
NORM	NORMAL
NRCP	NON-REINFORCED CONCRETE PIPE
NTP	NOTICE TO PROCEED
NTS	NOT TO SCALE

OC	ON CENTER
OFD	OVERFLOW DRAIN
OPNG	OPENING
OZ	OUNCE

P	PUMP
PA	PIPE ANCHOR
PAR	PARALLEL
PAT	PATTERN
PB	PULL BOX
PC	POINT OF CURVE
PCA	PORTLAND CEMENT ASSOCIATION
PCC	PRECAST CONCRETE
PCCP	CONCRETE PAVEMENT
PCT	PERCENT
PED	PEDESTAL
PEN	PENETRATE
PERF	PERFORATED
PERIM	PERIMETER
PERM	PERMANENT
PERP	PERPENDICULAR
PG	PRESSURE GAGE OR PROFILE

PH	PHASE
PHOTO	PHOTOGRAPH
PHWR	PRIMARY HOT WATER RETURN
PHWS	PRIMARY HOT WATER SUPPLY
PI	POINT OF INTERSECTION
PIV	POST INDICATOR VALVE
PK LOT	PARKING LOT
PL	PROPERTY LINE
PLAS	PLASTIC
PMP SCT	PUMP SUCTION
PN	PART NUMBER
PNEU	PNEUMATIC
POLY	POLYETHYLENE (PLASTIC)
PORT	POTABLE
POTW	POTABLE WATER
POW LN	POWER LINE
PP	POLYPROPYLENE (PLASTIC)
PR	PUMPED RETURN
PRCST	PRECAST
PREFMD	PREFORMED
PRELIM	PRELIMINARY
PREP	PREPARATION
PREV	PREVIOUS
PRKG	PARKING
PROJ	PROJECT
PROP	PROPERTY
PSI	POUNDS PER SQUARE INCH
PSL	PIPE SLEEVE
PT	POST TENSIONED
PT CONC	POST-TENSIONED CONCRETE
PTRV	PRESSURE TEMPERATURE RELIEF VALVE
PV	PAVED
PV RD	PAVED ROAD
PVC	POLYVINYL CHLORIDE (PLASTIC)

QTR	QUARTER
QTY	QUANTITY
QUAD	QUADRANT
QUAL	QUALITY

R	RADIUS
RAD	RADIAN
RC	REINFORCED CONCRETE
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
RDC	REDUCER
REBAR	REINFORCING STEEL BARS
REP	REPAIR
REPL	REPLACE
REQ	REQUIRE
REQD	REQUIRED
RESIL	RESILIENT
RFI	REQUEST FOR INFORMATION
RFP	REQUEST FOR PROPOSAL
ROW	RIGHT OF WAY
RST	REINFORCING STEEL
RT	RIGHT
RV	RELIEF VALVE
RW	ROADWAY
RWL	RAIN WATER LEADER
RWR	RECESSED WASTE RECEPTACLE

SAMP	SAMPLE
SAN	SANITARY
SB	SPLASH BLOCK
SCHED	SCHEDULE
SCP	SCUPPER
SD	STORM DRAIN
SDL	SADDLE
SDMH	STORM DRAIN MANHOLE
SECT	SECTION
SEG	SEGMENT
SEL	SELECT

SEP	SEPARATE
SF	SQUARE FOOT (FEET)
SHLDR	SHOULDER
SJ	SCORED JOINT
SLV	SLEEVE
SM	SILTY SAND
SMH	STEAM MANHOLE
SMP	SUMP PUMP
SOV	SHUT OFF VALVE
SP	STANDPIPE
SP EL	SPOT ELEVATION
SPEC	SPECIFICATION
SPKLR	SPRINKLER
SPLY	SUPPLY
SPR	SPRINKLER LINE
SO	SQUARE
SQ IN	SQUARE INCH
SQ YD	SQUARE YARD
SR	STEAM RETURN
SS	SANITARY SEWER
ST	STREET
STRM	STORM WATER
STA	STATION
STD	STANDARD
STIR	STIRRUP
STM	STEAM
SUCT	SUCTION
SUPT	SUPPORT
SURF	SURFACE
SURV	SURVEY
SW	SIDEWALK
SYM	SYMBOL

TAN	TANGENT
TBM	TEMPORARY BENCHMARK
TCP	TRAFFIC CONTROL PLAN
TD	TRENCH DRAIN
TE	TOP ELEVATION
TEL	TELEPHONE
TEMP	TEMPORARY
THK	THICKNESS
THRU	THROUGH
TMH	TOP OF MANHOLE
TN	TRUE NORTH
TNL	TUNNEL
TO	TOP OF
TO FDN	TOP OF FOUNDATION
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE OR TOP OF CURB
TOC FTG	TOP OF CONCRETE FOOTING
TOC WALL	TOP OF CONCRETE WALL
TOF	TOP OF FOOTING
TOP	TOP OF PAVEMENT
TOPO	TOPOGRAPHY
TOS	TOP OF SLAB
TP	TELEPHONE POLE
TR	TOP OF RIM
TYP	TYPICAL

UFC	UNIFORM FIRE CODE
UGND	UNDERGROUND
UNFIN	UNFINISH
UNPV RD	UNPAVED ROAD
UN	UNLESS OTHERWISE NOTED
UP	UTILITY POLE
UTIL	UTILITY

Approved: Energy Engineer

Approved: Safety Manager

Approved: Service Chief

Drawing Title
CIVIL ABBREVIATIONS

Project Title
UPGRADE WATER DISTRIBUTION

Date
04-02-12

Project No.
658-12-104

Approved: Chief of Facility Management Svc.

Building Number
NORTH SITE

Checked
EBC

Drawn
WBJ

DRAWING NO. C-001
2559

Approved: Medical Center Director

Location
V.A.M.C. SALEM 24153

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Veterans
Affairs

Revisions	Date