

ABBREVIATIONS

AB	ANCHOR BOLT	HB	HOSE BIBB
ABAND	ABANDONED	HCS	HOLLOW CORE SLAB
ABS	ABSOLUTE	HD	HEAD, HEAVY DUTY
ACoust	ACOUSTICAL	HDN	HARDEN
ADD	ADDENDUM	HDW	HARDWARE
ADDL	ADDITIONAL	HDWL	HEADWALL
ADM	ADMINISTRATION	HGR	HANGER
AFF	ABOVE FINISH FLOOR	HM	HOLLOW METAL
AGG	AGGREGATE	HOL	HOLLOW
AHR	ANCHOR	HORIZ	HORIZONTAL
AL	ALUMINUM	HP	HORSEPOWER
ALT	ALTERNATE	HPT	HIGH POINT
APPROX	APPROXIMATE	HR	HOOR
ARCH	ARCHITECTURAL	HT	HEIGHT
ASB	ASBESTOS	HTR	HEATER
AUX	AUXILIARY	HVY	HEAVY
AVG	AVERAGE	HW	HOT WATER
AWG	AMERICAN WIRE GAGE	HWL	HOT WATER LEVEL
		HWY	HIGHWAY
		HYD	HYDRAULIC
BC	BOLT CIRCLE	IAS	INTERCHANGE ACTIVATED SLUDGE
BD	BOARD	IASFM	INTERCHANGE ACTIVATED SLUDGE
BETW	BETWEEN		
B'FLY	BUTTERFLY	ID	FORCE MAIN
BHP	BRAKE HORSEPOWER	IFM	INFLUENT FORCE MAIN
BIT	BITUMINOUS	IFMA	INFLUENT FORCE MAIN ALTERNATE
BL	BASE LINE, BUILDING LINE	ILLUM	ILLUMINATE
BLDG	BUILDING	ILLUS	ILLUSTRATE
BLK	BLOCK	IN	INCH
BM	BENCH MARK, BEAM	INCR	INCREASER
BOT	BOTTOM	INFL	INFLUENT
BP	BASE PLATE	INSUL	INSULATION
BRG	BEARING	INT	INTERIOR
BSMT	BASEMENT	INV	INVERT
BTU	BRITISH THERMAL UNIT	ITI	INTERCHANGE TANK INFLUENT
BU	BUILT UP		
BW	BOTH WAYS	JT	JOINT
BYP	BYPASS	JCT	JUNCTION
C	CENTIGRADE	KG	KILOGRAM
CAP	CAPACITY	KM	KILOMETER
CB	CATCH BASIN	KV	KILOVOLT
CE	CLARIFIER EFFLUENT	KVA	KILOVOLT - AMPERE
CER	CERAMIC	KVAH	KILOVOLT - AMPERE HOUR
CFM	CUBIC FEET PER MINUTE	KW	KILOWATT
CFS	CUBIC FEET PER	KWH	KILOWATT HOUR
CHK	CHECK		
CHKR	CHECKERED	L	LEFT, LONG
CI	CLARIFIER INFLUENT	LAB	LABORATORY
CIP	CAST IRON PIPE	LAM	LAMINATE
CJ	CONSTRUCTION JOINT	LBS	POUNDS
CL	CENTER LINE	LDG	LOADING
CLG	CEILING	LF	LINEAR FOOT
CLO	CLOSET	LG	LENGTH
CLR	CLEAR	LH	LEFT HAND
CMU	CONCRETE MASONRY UNIT	LL	LIVE LOAD
CO	COMPANY	LLH	LONG LEG HORIZONTAL
COL	COLUMN	LLV	LONG LEG VERTICAL
CONC	CONCRETE	LPT	LOW POINT
CONSTR	CONSTRUCTION	LS	LUMP SUM
CONT	CONTINUOUS	LW	LONG WAY
CONTR	CONTRACTOR		
CPLG	COUPLING	MATL	MATERIAL
CJ	CONTROL JOINT	MAX	MAXIMUM
CTR	CENTER	ME	MATCH EXISTING
CU	CUBIC	MECH	MECHANICAL
CV	CLOCKWISE	MED	MEDIUM
		MFR	MANUFACTURER
D	DEPTH	MGD	MILLION GALLONS PER DAY
DBL	DOUBLE	MH	MANHOLE
DET	DETAIL	MIN	MINIMUM
DF	DRINKING FOUNTAIN	MISC	MISCELLANEOUS
DI	DUCTILE IRON	MJ	MECHANICAL JOINT
DIA	DIAMETER	MO	MASONRY OPENING
DIM	DIMENSION	MP	MELTING POINT
DIP	DUCTILE IRON PIPE	MTD	MOUNTED
DIR	DIRECTION	MTG	MOUNTING
DISTR	DISTRIBUTION	MTL	METAL
DIV	DIVISION		
DL	DEAD LOAD	N	NORTH
DN	DOWN	NATL	NATIONAL
DR	DRAIN	NEG	NEGATIVE
DWG	DRAWING	NET	NETWORK
		NEUT	NEUTRAL
E	EAST	NIC	NOT IN CONTRACT
EA	EACH	NO	NUMBER
EF	EACH FACE	NOM	NOMINAL
EFL	EFFLUENT	NPT	NATIONAL PIPE THREAD
EJ	EXPANSION JOINT	NPW	NON-POTABLE WATER
ELEC	ELECTRIC	NR	NITRATE RECYCLE
ELEV	ELEVATION	NRFM	NITRATE RECYCLE FORCE MAIN
ELL	ELBOW	NTS	NOT TO SCALE
ENCL	ENCLOSE		
EQ	EQUAL	OBS	OBSOLETE
EQUIP	EQUIPMENT	OC	ON CENTER
EW	EACH WAY	OD	OUTSIDE DIAMETER
EXIST	EXISTING	ODE	OXIDATION DITCH EFFLUENT
EXP	EXPANSION	ODI	OXIDATION DITCH INFLUENT
EXT	EXTERIOR	OF	OUTSIDE FACE
		OH	OVAL HEAD
FD	FLOOR DRAIN	OPER	OPERATED
FDN	FOUNDATION	OPNG	OPENING
FIN	FINISH	OPF	OPPOSITE
FL	FLOOR	ORF	ORIFICE
FLEX	FLEXIBLE	ORG	ORIGINAL
FLG	FLANGE, FLANGED	OVHD	OVERHEAD
FR	FRAME	OVL	OVERLOAD
FT	FOOT	OZ	OUNCE
FTG	FOOTING		
		PC	PIECE
G	GROUNDED	PCF	POUNDS PER CUBIC FOOT
GAL	GALLON	PE	PLAIN END
GALV	GALVANIZED	PEJ	PREMOLDED EXPANSION JOINT
GEN	GENERATOR	PERM	PERMANENT
GENL	GENERAL	PERP	PERPENDICULAR
GL	GLASS	PH	PHASE
GND	GROUND	PI	PLANT INFLUENT
GR	GRADE	PKG	PACKING
GRTG	GRATING	PL	PLATE
GSKT	GASKET	PNEU	PNEUMATIC
GYP	GYP SUM		
GYP	GYP SUM WALLBOARD		

PO	PUSH ON	RAN	RANGE
POL	POLISH	RAD	RADIUS
POS	POSITION	RAS	RETURN ACTIVATED SLUDGE
PREFAB	PREFABRICATED	RASFM	RETURN ACTIVATED SLUDGE
PRESS	PRESSURE		
PRI	PRIMARY	RASFMA	RETURN ACTIVATED SLUDGE
PS	PUMP STATION		
PSF	POUNDS PER SQUARE FOOT	RCPT	RECEPTACLE
PSI	POUNDS PER SQUARE INCH	RD	ROOF DRAIN
PSIG	POUNDS PER SQUARE INCH GAUGE	RDCR	REDUCER
PT	POINT	RECD	RECEIVED
PTD	PAINTED	REF	REFERENCE
PVC	POLYVINYL CHLORIDE	REFG	REFRIGERATOR
PWR	POWER	REINF	REINFORCE
		REM	REMAINDER
QT	QUART	REPL	REPLACE
QTY	QUANTITY	REQD	REQUIRED
		RESIL	RESILIENT
		REV	REVISION
		RJ	RESTRAINED JOINT
		RM	ROOM
		RND	ROUND
		RPM	REVOLUTIONS PER MINUTE
S	SOUTH		
SC	SCUM		
SCFM	SCUM FORCE MAIN		
SCH	SCHEDULE		
SEC	SECOND		
SECT	SECTION		
SEQ	SEQUENCE		
SFT	SHAFT		
SHLD	SHIELD		
SHT	SHEET		
SIM	SIMILAR		
SK	SKETCH		
SOL	SOLENOID		
SPCS	SPACES		
SPEC	SPECIFICATIONS		
SP GR	SPECIFIC GRAVITY		
SP HT	SPECIFIC HEAT		
SPRT	SUPPORT		
SQ	SQUARE		
SST	STAINLESS STEEL		
S/S	SERVICE SINK		
SS	SANITARY SEWER		
STA	STATION		
STD	STANDARD		
STIR	STIRRUP		
STL	STEEL		
STM	STORM		
STRUCT	STRUCTURE		
SUSP	SUSPENDED		
SW	STORM WATER		
SYM	SYMBOL		
SYMM	SYMMETRICAL		
T	TOP		
T&B	TOP AND BOTTOM		
TECH	TECHNICAL		
TEMP	TEMPERATURE, TEMPERED		
THEO	THEORETICAL		
THD	THREAD		
THRES	THRESHOLD		
THRU	THROUGH		
TOF	TOP OF FOOTING		
TOL	TOLERANCE		
TOS	TOP OF STEEL		
TOT	TOTAL		
TRANS	TRANSFER		
TW	TOP OF WALL		
TYP	TYPICAL		
UNIF	UNIFORM		
UON	UNLESS OTHERWISE NOTED		
UV	ULTRAVIOLET		
V	VOLT		
VAC	VACUUM		
VCT	VINYL COMPOSITION TILE		
VCP	VITRIFIED CLAY PIPE		
VERT	VERTICAL		
VISC	VISCOSITY		
VLR	VERTICAL LOOP REACTOR		
VLR	VERTICAL LOOP REACTOR EFFLUENT		
VS	VERSUS		
VTR	VENT THROUGH ROOF		
W	WEST, WIDTH		
WI	WITH		
WAS	WASTE ACTIVATED SLUDGE		
WD	WOOD		
WDW	WINDOW		
WG	WIRE GAGE		
WL	WATER LEVEL		
WPG	WATERPROOFING		
WR	WATER RESISTANT		
WS	WASTE SLUDGE		
WSDR	WASTE SLUDGE DRAIN		
WSE	WATER SURFACE ELEVATION		
WWF	WELDED WIRE FABRIC		
YD	YARD		
YP	YIELD POINT		
YR	YEAR		

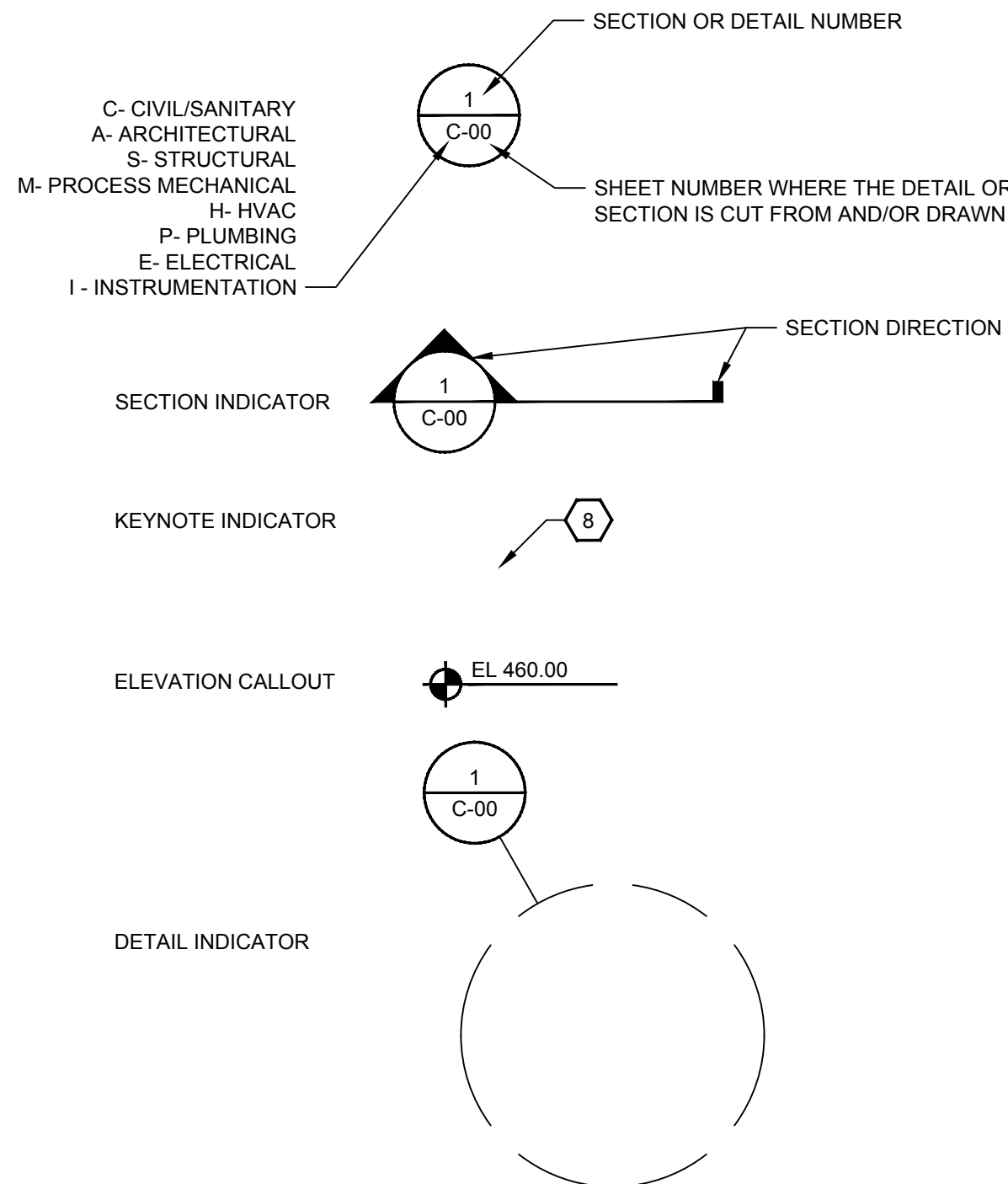
LINETYPES

	EXISTING	NEW
FENCE	— X — X —	—○—○—
PROPERTY LINE	— — — P/L — — —	
RIGHT OF WAY	— — — R/W — — —	
UNDERGROUND ELECTRIC	— — — UGE — — —	
OVERHEAD UTILITY LINE	— — — OHU — — —	
UNDERGROUND COMMUNICATION	— — — T — — —	
UNDERGROUND FIBER OPTICS	— — — F/O — — —	
CREEK / SWALE	- - - - -	
SILT FENCE		— SF —
NATURAL GAS	— — — G — — —	
RAILROAD TRACKS	— — — — —	— — — — —
SANITARY SEWERS	— — — — —	— — — — —
STORM SEWERS	— — — — —	— — — — —
WATER LINE	— — — W — — —	
CONTOUR LINE	— — — 800 — — —	— — — 800 — — —
SPOT ELEVATION	+ 800.00	+ 800.00
YARD PIPING	— — — — —	— — — — —
STORM CULVERT	— — — — —	
PERMANENT EASEMENT	— — — — —	
EXISTING YARD PIPING TO BE ABANDONED IN PLACE	- X - X - X - X - X - X - X - X -	

MATERIALS - PLAN/SECTION

	EARTH
	CRUSHED STONE
	STRUCTURAL CONCRETE
	GROUT, PLASTER OR SAND
	ASPHALT PAVEMENT

BUBBLE & SECTIONING CONVENTIONS



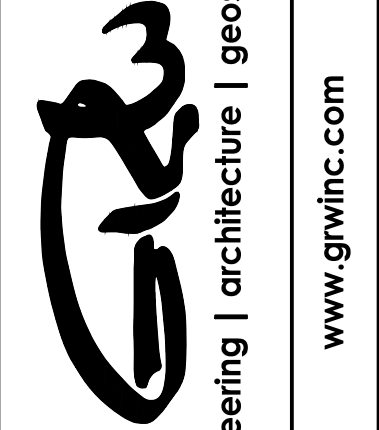
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SYMBOLS

	EXISTING	NEW	EXISTING	NEW
WATER METER			COMMUNICATIONS PEDESTAL	
LIFT STATION			UNDERGROUND TELEPHONE MARKER	
FIRE HYDRANT			TELEPHONE MANHOLE	
AIR RELEASE VALVE			TELEPHONE PEDESTAL	
BLOW OFF VALVE			BOLLARD	
WATER MAIN BEND			SECTION CORNER	
WATER MAIN CAP/PLUG			SURVEY CONTROL POINT	
WATER MAIN TEE			SURVEY BENCHMARK	
WATER MAIN CROSS			TELEVISION ANTENNA	
REDUCER			FIELD DRAIN	
WATER VALVE			FLAG POLE	
WATER MAIN MARKER			HEADSTONE	
PUMP STATION			MAILBOX	
WATER SERVICE			PARKING METER	
IN LINE CONTROL VALVE			PLANTER BOX	
SANITARY MANHOLE			RAILROAD SIGNAL	
CORPORATION STOP			RAILROAD GATE	
SANITARY SEWER MARKER			RIGHT OF WAY MONUMENT	
SANITARY SEWER VALVE			PROPERTY CORNER	
SANITARY SEWER VALVE VAULT			ROCK SOUNDING	
SANITARY SEWER WET WELL			SOIL BORING	
SEPTIC TANK			ROCK ELEVATION (PROFILE)	
CLEAN OUT			SATELLITE DISH	
CATCH BASIN			SIGN	
DOUBLE CATCH BASIN			SIGN WITH MAST ARM	
CURB INLET			SINK HOLE	
CIRCULAR INLET			IRRIGATION SPRINKLER HEAD	
STORM SEWER MANHOLE			STEAM MANHOLE	
NATURAL GAS METER			TRAFFIC LIGHT CONTROL BOX	
NATURAL GAS PRESSURE VALVE			TRAFFIC LIGHT MAST POLE	
NATURAL GAS STOP			TRAFFIC LIGHT LOOP DETECTOR	
NATURAL GAS VALVE			TRAFFIC LIGHT MANHOLE	
NATURAL GAS MARKER			WELL	
NATURAL GAS VENT			YARD LIGHT	
NATURAL GAS WELL			MONITORING WELL	
ELECTRIC MANHOLE			VEGETATION	
ELECTRIC METER			DECIDUOUS TREE	
ELECTRIC PEDESTAL			PINE TREE	
ELECTRIC TRANSFORMER PAD			TREE STUMP	
ELECTRIC HAND HOLE BOX				
DOWN GUY WIRE				
LIGHT POLE				
UTILITY POLE				
ELECTRIC MARKER				
UNDERGROUND FIBER MARKER				
FIBER MANHOLE				



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SYMBOLS LEGEND
 AND ABBREVIATIONS
 BABY FARMS LIFT STATION AND FORCE MAIN IMPROVEMENTS
 FALL CREEK REGIONAL WASTE DISTRICT

DESIGNED				GWL			
DRAWN				JAJ			
REVIEWED				JPT			
APPROVED				GWL			
REVISIONS							
NO.		DESCRIPTION		DATE		BY	