

ABBREVIATIONS

A	ANCHOR BOLT	GA	GAUGE OR GAGE	Q	QUANTITY
AB	ADJUSTABLE	GAL	GALLON	QUAN	QUANTITY
ACP	ASBESTOS CEMENT PIPE	GALV	GALVANIZED	R	RISE
ADJT	ADJUSTABLE	GBT	GRAVITY BELT THICKENER	RAD	RADIUS
AFF	ABOVE FINISHED FLOOR	GEN	GENERAL	RAS	RETURNED ACTIVATED SLUDGE
ALT	ALTERNATIVE	GRD	GRADE OR GRADING	RB	ROOF BEAM
ALUM	ALUMINUM			RCP	REINFORCED CONCRETE PIPE
@	AT			RD	ROOF DRAIN
ASPH	ASPHALT	H	HOLLOW CORE	RECIRC	RE-CIRCULATION
AUTO	AUTOMATIC	HB	HOSE BIBB	RED	REDUCER
AVG	AVERAGE	HC	HOLLOW CORE	REINF	REINFORCING
		HDPE	HIGH DENSITY POLYETHYLENE	REQ'D	REQUIRED
B	BLACK IRON PIPE	HE	HEAT EXCHANGER	RM	ROOM
BIP	BLIND FLANGE OR	HK	HOOK(S)	RT	RIGHT
BF	BOTTOM FACE	HM	HOLLOW METAL	R/W	RIGHT OF WAY
BFP	BELT FILTER PRESS	HORIZ	HORIZONTAL		
BLDG	BUILDING	HP	HORSEPOWER		
BLK	BLOCK	HPT	HIGH POINT		
BM	BENCHMARK	HS	HIGH SERVICE		
BOS	BOTTOM OF SLAB	HT	HEIGHT		
BOT	BOTTOM	HU	HEATING UNIT		
BRG	BEARING	HVAC	HEATING/VENTILATION		
		HWH	AIR CONDITIONING		
C	CATCH BASIN	HW	HIGH WATER LEVEL		
CB	CUBIC FEET	HWR	HOT WATER		
CF	CUBIC FEET PER MINUTE	HWS	HOT WATER RETURN		
CFM	CAST IRON		HOT WATER SUPPLY		
CI	CAST IRON PIPE				
CIP	CENTERLINE				
©, C/L	CENTERLINE TO CENTERLINE				
C/C	CLEAR				
CL	CEILING				
CLG	CORRUGATED METAL PIPE				
CMP	CONCRETE MASONRY UNIT				
CMU	CLEAN OUT				
CO	COLUMN				
COL	CONCENTRIC				
CON	CONCRETE				
CONC	CONNECTION				
CONN	COPPER				
CPR	CONSTRUCTION JOINT				
CJ	CONTRACTION JOINT				
CONTR JT	CONSTRUCTION JOINT				
CONST	CONTINUOUS				
CONT	COUPLING				
CPLG	COLD WATER				
CW	CUBIC YARD				
CY					
D	DEMOLITION				
DEM	DIAMETER				
DIA	DIGESTED				
DIG	DIMENSION				
DIM	DUCTILE IRON PIPE				
DIP	DISCHARGE				
DISCH	DEAD LOAD				
D.L.	DOOR OPENING, DISSOLVED OXYGEN				
DO	DIGESTED SLUDGE				
DSL	DOWN SPOUT OR DISCONNECT SWITCH				
DS	DETAIL				
DTL	DRAWING				
DWG					
E	EAST				
E	EACH				
EA	ECCENTRIC				
ECC	EQUIPMENT DRAIN				
ED	EACH FACE				
EF	EFFLUENT				
EFFL	ELECTRICAL				
ELEC	ELEVATION				
EL	ELBOW				
ELB	EQUIPMENT				
EQ	EACH WAY				
EW	EXISTING				
EXIST	EXPANSION JOINT				
EJ	EXPOSED				
EXP	EXTERIOR				
EXT					
F	FRESH AIR				
FA	FLOOR BOX OR				
FB	FOUNDATION BEAM				
FDN	FOUNDATION				
FE	FIRE EXTINGUISHER				
FF	FINISHED FLOOR				
FH	FIRE HYDRANT				
FIBREINFP	FIBERGLASS REINFORCED POLYMERS				
FIG	FIGURE				
FIN	FINISHED				
FLG	FLANGE				
FLR	FLOOR				
FD	FLOOR DRAIN				
FLRET	FLOW RETENTION				
FM	FORCE MAIN				
FRP	FIBERGLASS REINFORCED				
	PLASTIC PIPE				
FT	FEET OR FOOT				
FTG	FOOTING				

SCHEMATIC PIPING SYMBOLS

VALVES	OPERATORS (CONT'D)
	MISCELLANEOUS
OPERATORS	

SITE PLAN SYMBOLS

	TEST BORING NUMBER		FIRE HYDRANT
	EXISTING FENCE		CLEANOUT, FLOOR DRAIN
	PROPOSED FENCE		IRON PIN SET, IRON PIN FOUND
	EXISTING GUARDRAIL, PROPOSED GUARDRAIL		TREE, SHRUB
	PROPERTY LINE		BRUSH, EVERGREEN
	CENTERLINE LINE		POWER POLE, LIGHT POLE
	BASELINE		TELEPHONE POLE, GUYED WIRE
	RIGHT OF WAY LINE		POWER AND LIGHT POLE
	PROPOSED CONTOUR		POWER AND TELEPHONE POLE
	EXISTING CONTOUR		TELEPHONE, POWER, CABLE AND LIGHT POLE
	NEW GRADE SPOT ELEVATION		
	EXISTING GRADE SPOT ELEVATION		
	EDGE OF WATER		
	DRAINAGE FLOW		
	EXISTING CATCH BASIN, MANHOLE		
	PROPOSED CATCH BASIN, MANHOLE		
	ADJUST TO GRADE CATCH BASIN, MANHOLE		
	GAS, WATER VALVE BOX		

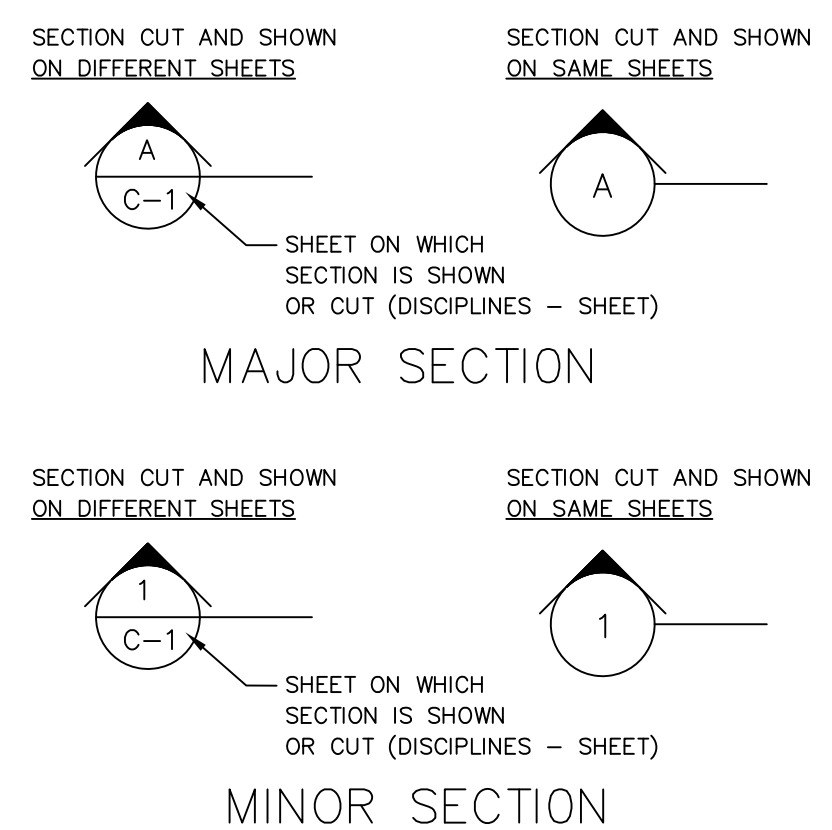
STRUCTURAL/ARCHITECTURAL LEGEND

	PROPOSED CONCRETE (4,000 PSI)		WOOD
	EXISTING CONCRETE		STEEL
	PROPOSED CONCRETE (2,000 PSI)		ALUMINUM
	CONCRETE BLOCK		GRAVEL OR COMPACTED FILL
	FACE BLOCK OR BRICK		EARTH
	GLAZED TILE		INSULATION
	ACOUSTICAL		
	DEMOLITION		DEMOLITION

TWO LINE PIPING SYMBOLS

	FLANGE JOINT
	MECHANICAL JOINT
	BELL & SPIGOT JOINT
	PVC PIPE JOINT
	SLEEVE COUPLING
	ANGLE VALVE
	CHECK VALVE
	BUTTERFLY VALVE
	GATE VALVE
	GLOBE VALVE
	MAGNETIC FLOW METER "S" SIZE MAGNETIC METER
	PLUG VALVE
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	GROOVED COUPLING
	WELD JOINT

SECTION DESIGNATIONS



TEXT LEGEND

EXISTING TEXT	SLANTED AND LIGHTER TEXT - EXISTING FEATURES
PROPOSED TEXT	UPRIGHT AND BOLDER TEXT - PROPOSED WORK

CALL OUTS

	VALVE NUMBER CALL OUT
	WALL CASTING NUMBER CALL OUT
	FABRICATED GATES NUMBER CALL OUT
	SLUICE GATES NUMBER CALL OUT
	MAGNETIC FLOW METER NUMBER CALL OUT

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 ABBREVIATIONS AND SYMBOLS

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